

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062019\
 Data File : VN056393.D
 Acq On : 20 Jun 2019 11:32
 Operator : JC/SP
 Sample : K3454-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 21 04:24:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 03:45:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	355917	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	601585	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	599270	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	224133	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	202178	51.25	ug/l	0.00
Spiked Amount			Recovery	=	102.50%	
35) Dibromofluoromethane	7.59	113	178167	47.47	ug/l	0.00
Spiked Amount			Recovery	=	94.94%	
50) Toluene-d8	10.09	98	743253	50.90	ug/l	0.00
Spiked Amount			Recovery	=	101.80%	
62) 4-Bromofluorobenzene	12.40	95	257980	53.00	ug/l	0.00
Spiked Amount			Recovery	=	106.00%	

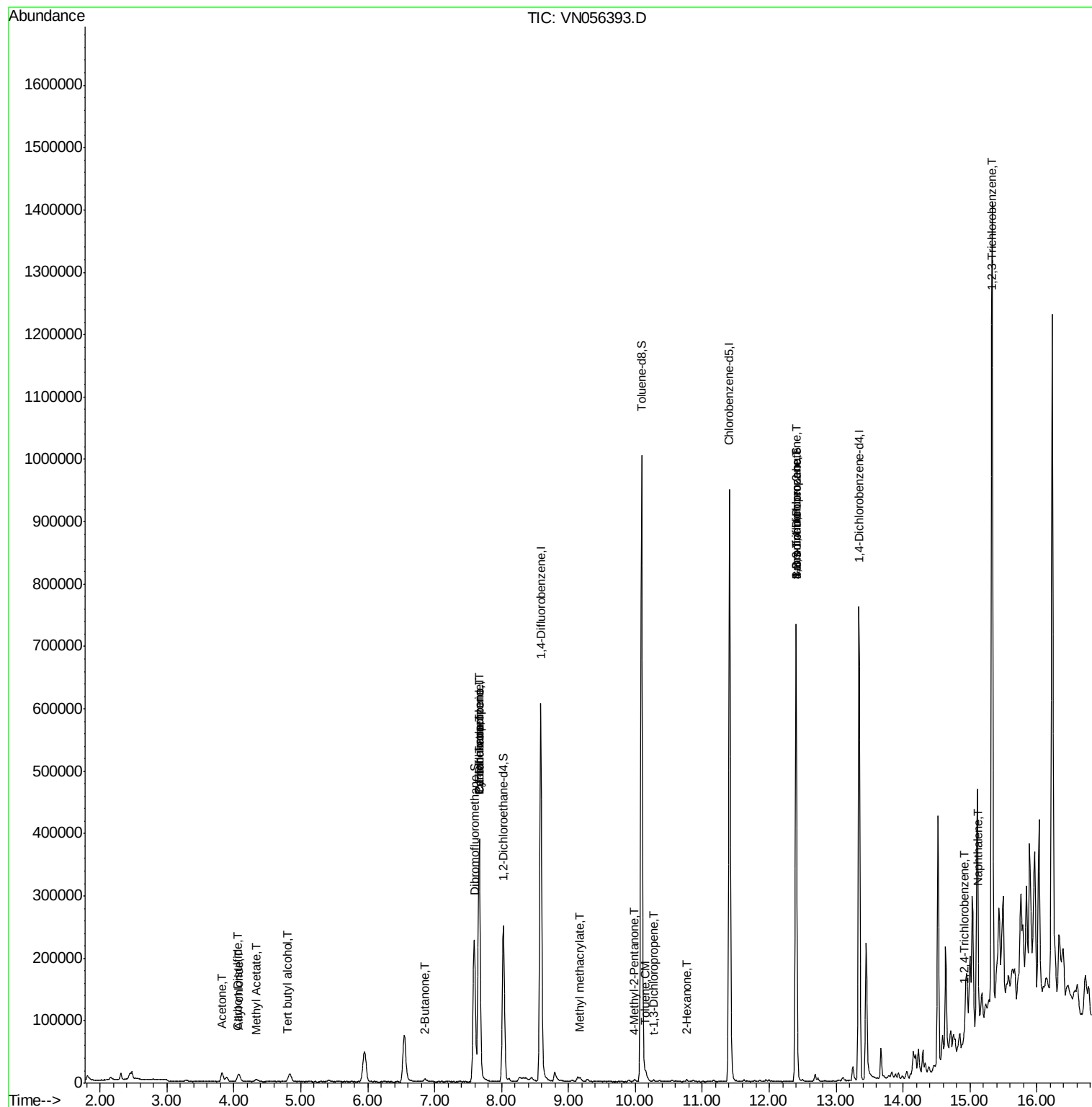
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.80	59	997	1.501	ug/l #	74
14) Allyl chloride	4.08	41	1857	0.355	ug/l #	69
16) Acetone	3.82	43	24671	12.483	ug/l	97
17) Carbon Disulfide	4.05	76	7452	1.042	ug/l #	89
18) Methyl Acetate	4.33	43	7970	1.212	ug/l #	89
20) Methylene Chloride	4.55	84	797	Below Cal	#	66
25) 2-Butanone	6.85	43	8485	3.244	ug/l	98
31) Cyclohexane	7.66	56	5805	0.953	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	23546	4.447	ug/l #	48
38) Carbon Tetrachloride	7.67	117	30778	6.647	ug/l #	14
48) Methyl methacrylate	9.18	41	3889	0.967	ug/l #	27
51) 4-Methyl-2-Pentanone	9.99	43	3178	0.614	ug/l #	81
52) Toluene	10.16	92	3165	0.318	ug/l	90
53) t-1,3-Dichloropropene	10.27	75	268	2.936	ug/l #	43
59) 2-Hexanone	10.76	43	1417	0.372	ug/l #	60
71) Bromoform	12.40	173	1163	3.475	ug/l #	1
73) Isopropylbenzene	12.26	105	614	Below Cal	#	48
76) 1,2,3-Trichloropropane	12.40	75	119201	25.649	ug/l #	100
79) 2-Chlorotoluene	12.68	91	258	Below Cal	#	40
80) 1,3,5-Trimethylbenzene	12.73	105	490	Below Cal	#	54
81) trans-1,4-Dichloro-2-buten	12.40	75	119201	91.159	ug/l #	8
83) tert-Butylbenzene	13.00	119	31	Below Cal	#	28
93) 1,2,4-Trichlorobenzene	14.91	180	394	5.703	ug/l #	1
95) Naphthalene	15.13	128	1339	5.362	ug/l #	70
96) 1,2,3-Trichlorobenzene	15.34	180	1096	4.727	ug/l	83

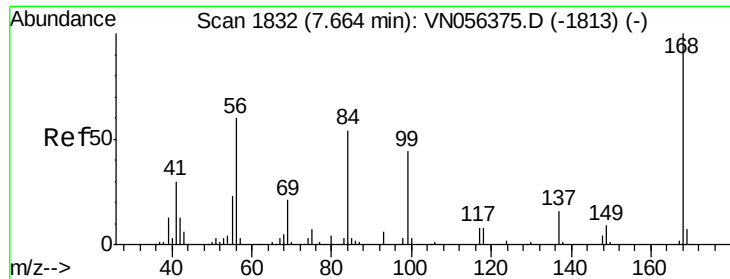
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 21 04:24:24 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 21 03:45:40 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: VN056393.D

Acq: 20 Jun 2019 11:32

Instrument :

MSVOA_N

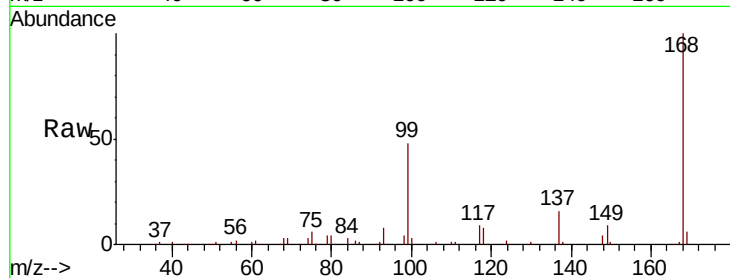
ClientSampleId :

Tot Ion:168 Resp: 355917

Ion Ratio Lower Upper

168 100

99 48.4 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

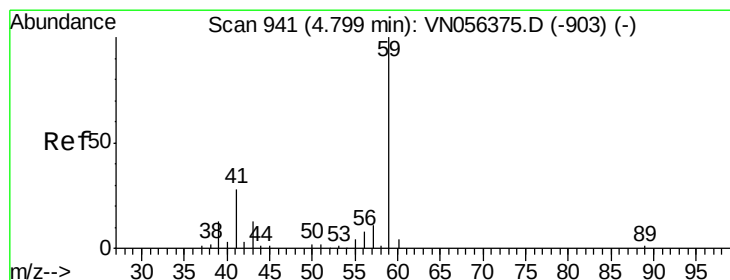
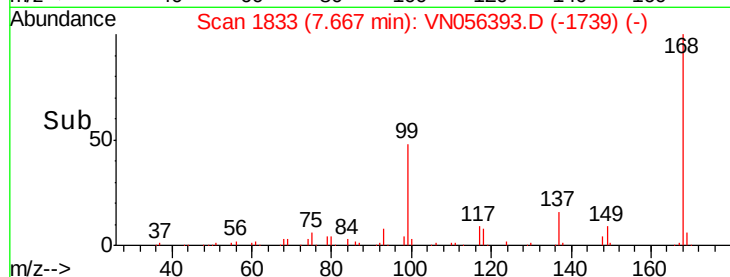
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.501 ug/l

RT: 4.80 min Scan# 940

Delta R.T. -0.00 min

Lab File: VN056393.D

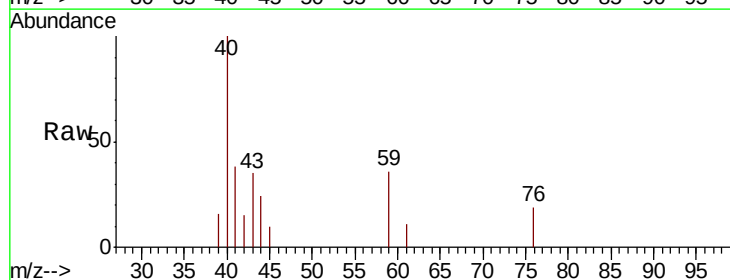
Acq: 20 Jun 2019 11:32

Tgt Ion: 59 Resp: 997

Ion Ratio Lower Upper

59 100

57 0.0 7.6 11.4#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

4.80

800

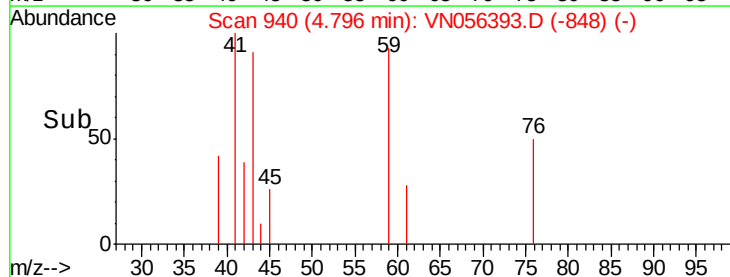
600

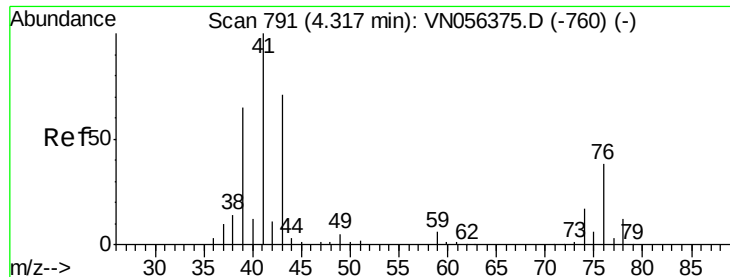
400

200

0

Time-->

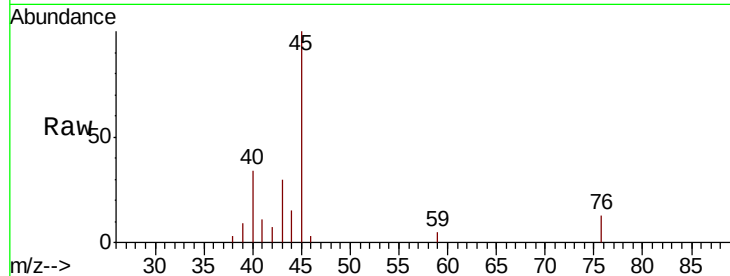




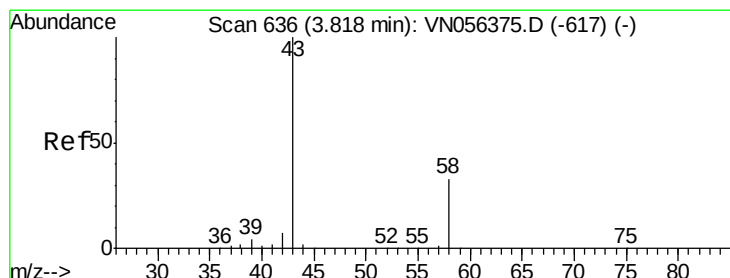
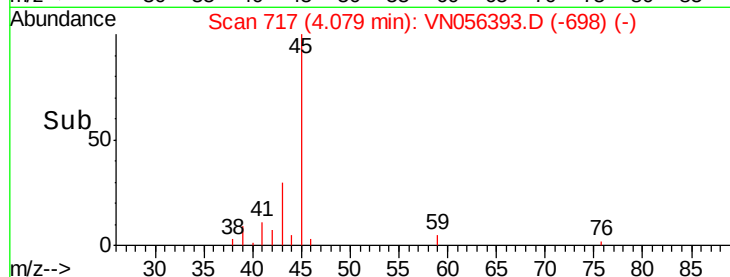
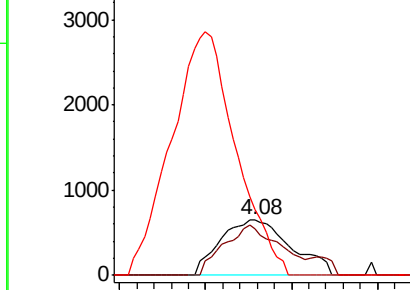
#14
Allvl chloride
Concen: 0.355 ug/l
RT: 4.08 min Scan# 717
Delta R.T. -0.24 min
Lab File: VN056393.D
Acq: 20 Jun 2019 11:32

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 1857
Ion Ratio Lower Upper
41 100
39 72.4 48.6 73.0
76 0.0 26.6 40.0#

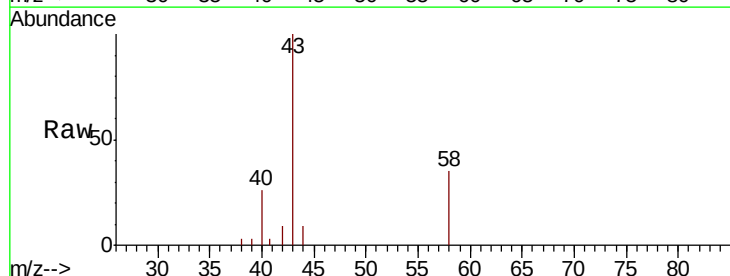


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 75.90 (75.60 to 76.60): VN0

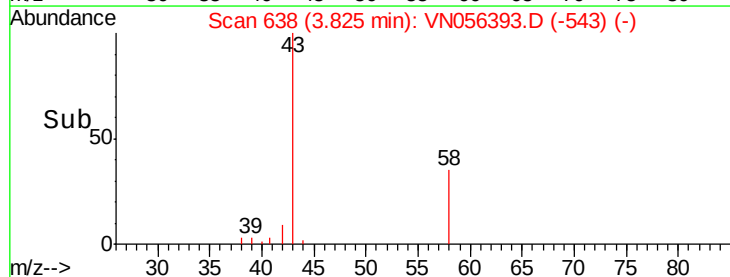
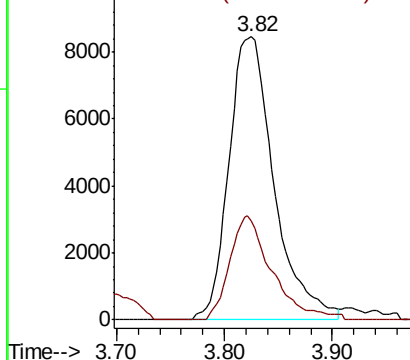


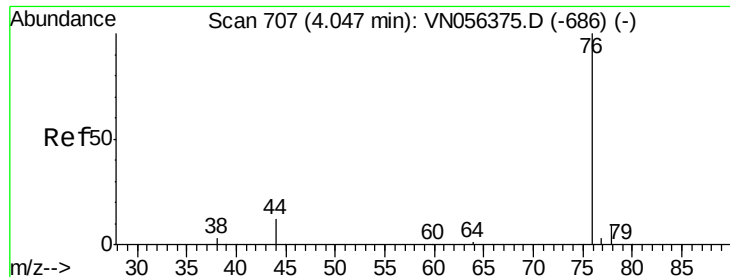
#16
Acetone
Concen: 12.483 ug/l
RT: 3.82 min Scan# 638
Delta R.T. 0.01 min
Lab File: VN056393.D
Acq: 20 Jun 2019 11:32

Tgt Ion: 43 Resp: 24671
Ion Ratio Lower Upper
43 100
58 34.9 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 1.042 ug/l

RT: 4.05 min Scan# 708

Delta R.T. 0.00 min

Lab File: VN056393.D

Acq: 20 Jun 2019 11:32

Instrument :

MSVOA_N

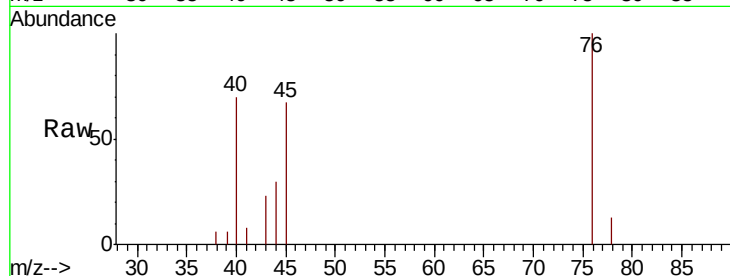
ClientSampleId :

Tot Ion: 76 Resp: 7452

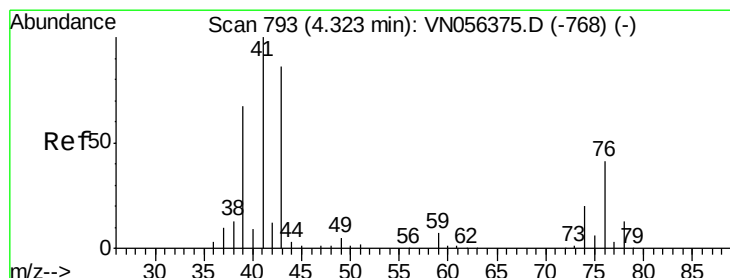
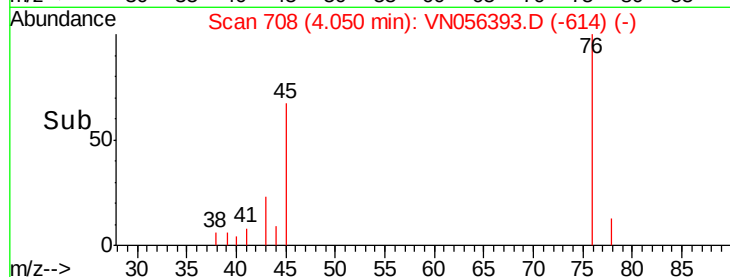
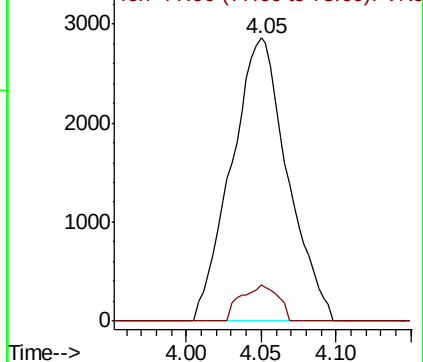
Ion Ratio Lower Upper

76 100

78 12.7 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VNO
Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 1.212 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.01 min

Lab File: VN056393.D

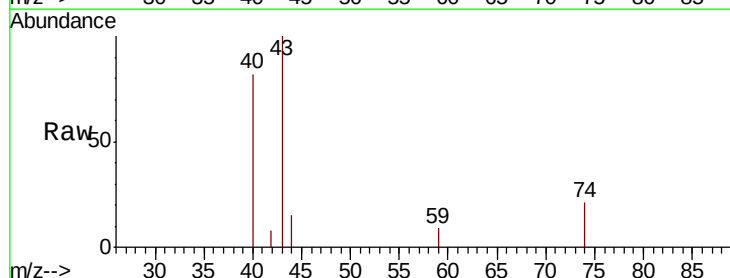
Acq: 20 Jun 2019 11:32

Tgt Ion: 43 Resp: 7970

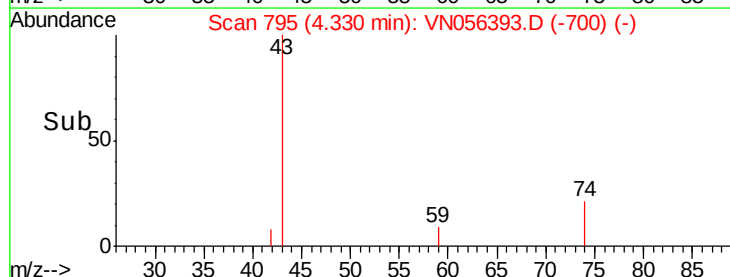
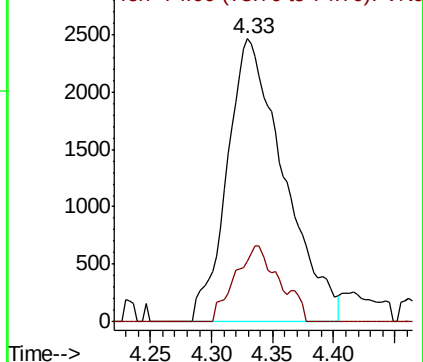
Ion Ratio Lower Upper

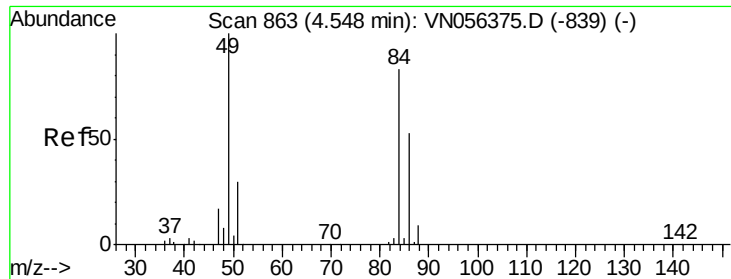
43 100

74 18.7 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 74.00 (73.70 to 74.70): VNO

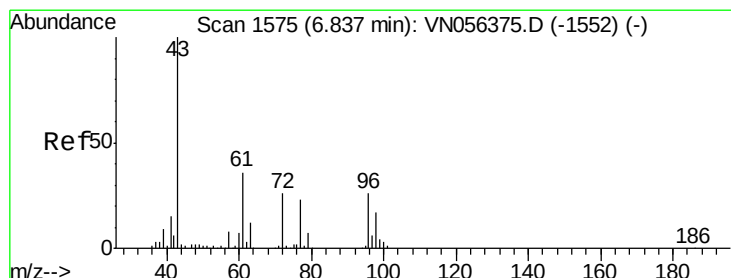
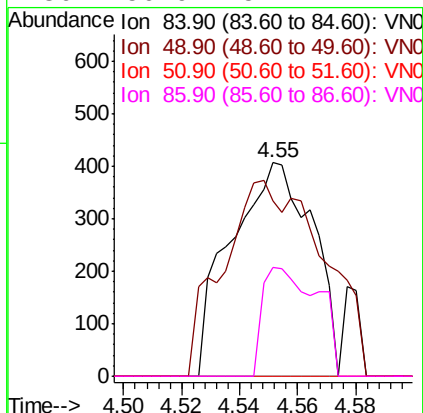
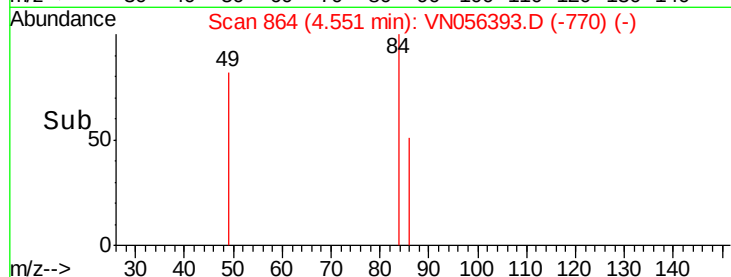
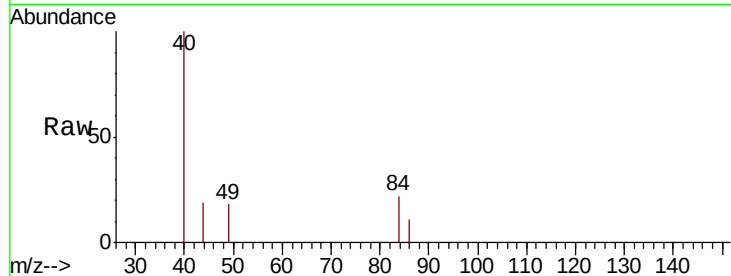




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN056393.D
Acq: 20 Jun 2019 11:32

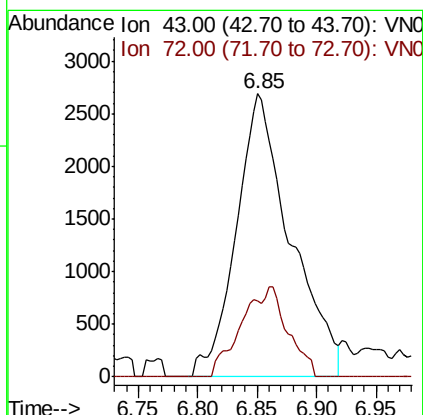
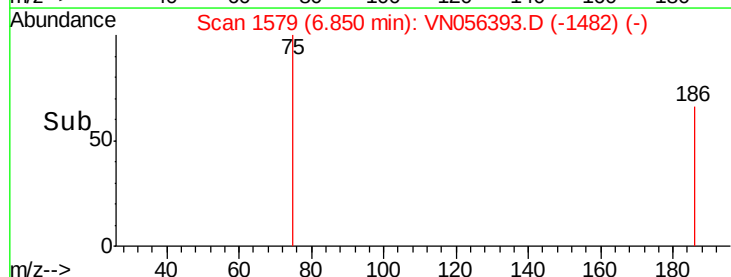
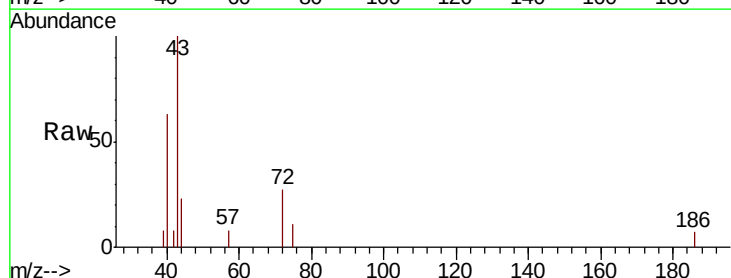
Instrument :
MSVOA_N
ClientSampled :

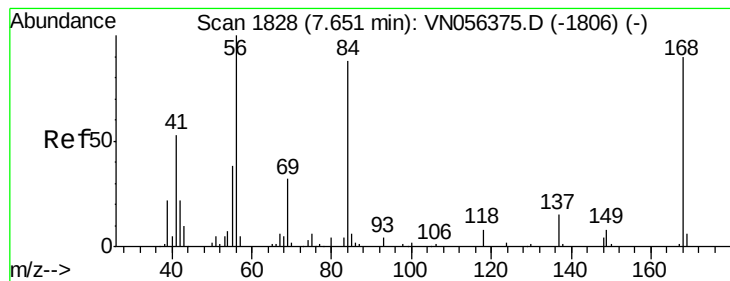
Tot Ion: 84 Resp: 797
Ion Ratio Lower Upper
84 100
49 81.8 96.4 144.6#
51 0.0 28.6 43.0#
86 50.9 51.4 77.2#



#25
2-Butanone
Concen: 3.244 ug/l
RT: 6.85 min Scan# 1579
Delta R.T. 0.01 min
Lab File: VN056393.D
Acq: 20 Jun 2019 11:32

Tgt Ion: 43 Resp: 8485
Ion Ratio Lower Upper
43 100
72 27.0 20.6 31.0





#31

Cyclohexane

Concen: 0.953 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN056393.D

Acq: 20 Jun 2019 11:32

Instrument :

MSVOA_N

ClientSampled :

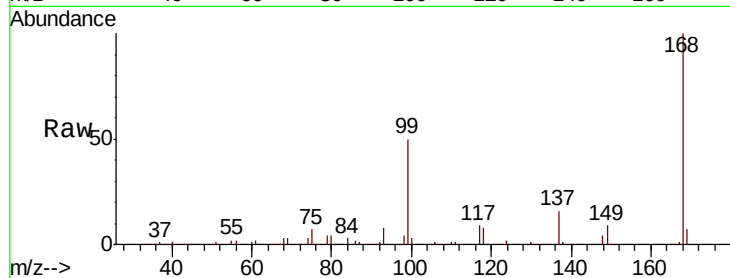
Tot Ion: 56 Resp: 5805

Ion Ratio Lower Upper

56 100

69 185.0 25.8 38.6#

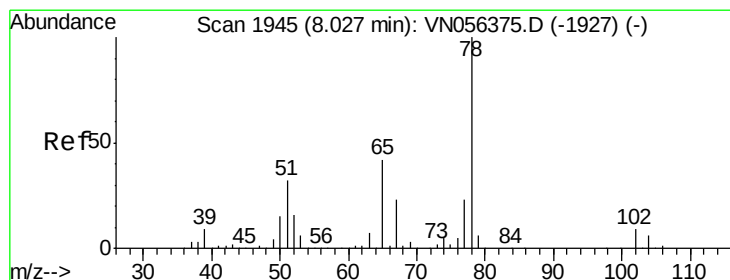
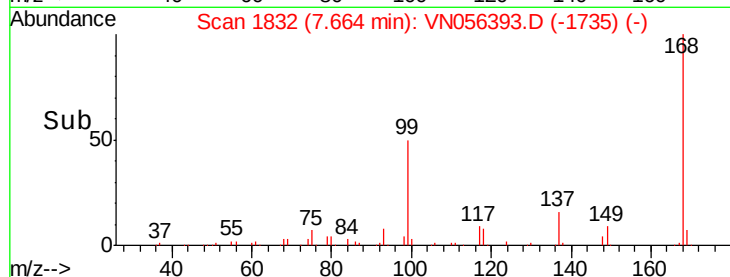
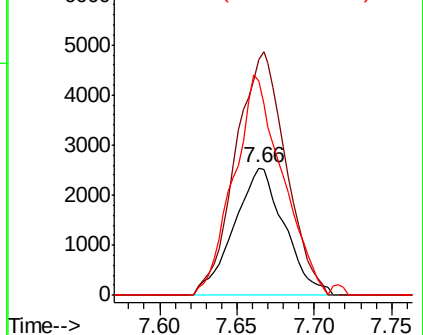
84 168.1 69.4 104.0#



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: 51.254 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN056393.D

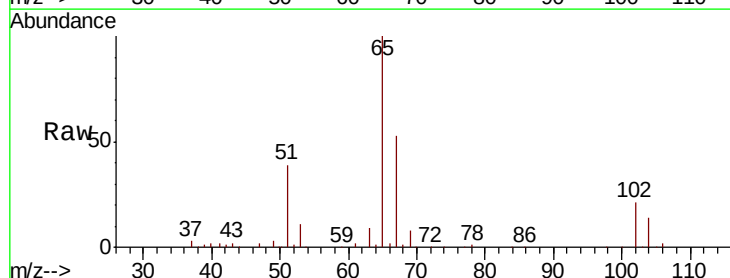
Acq: 20 Jun 2019 11:32

Tgt Ion: 65 Resp: 202178

Ion Ratio Lower Upper

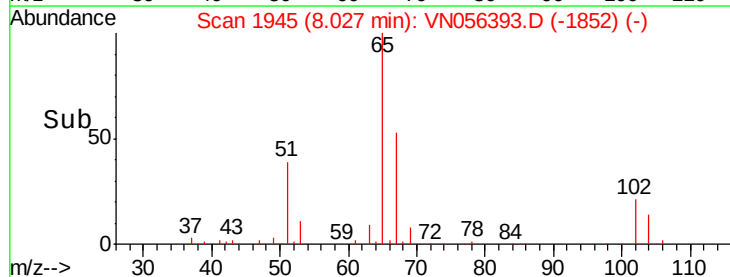
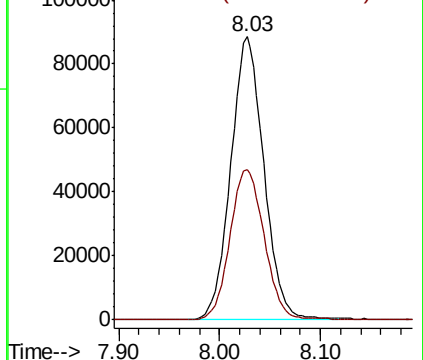
65 100

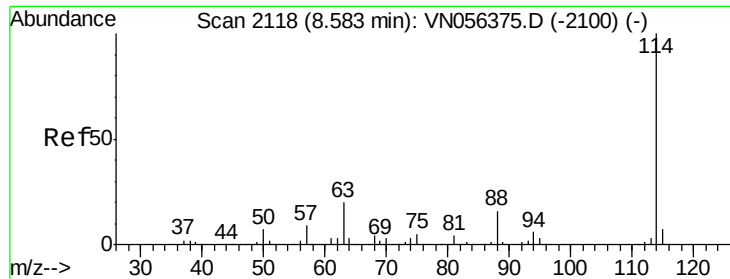
67 55.2 0.0 109.0



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

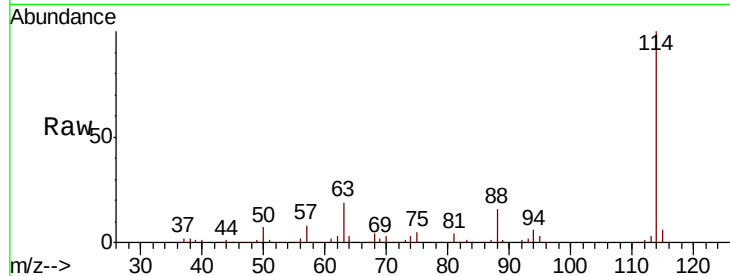




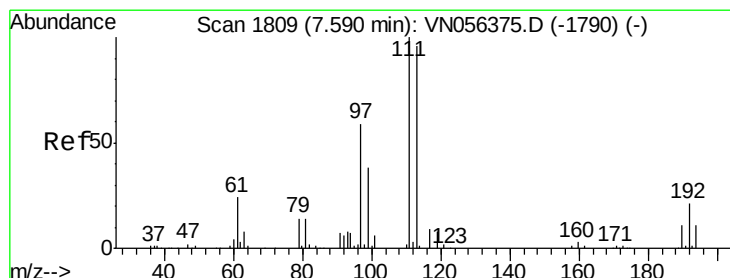
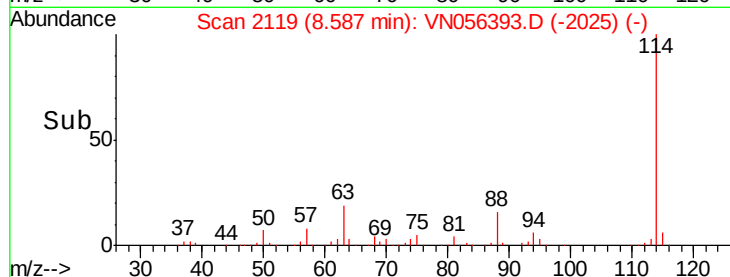
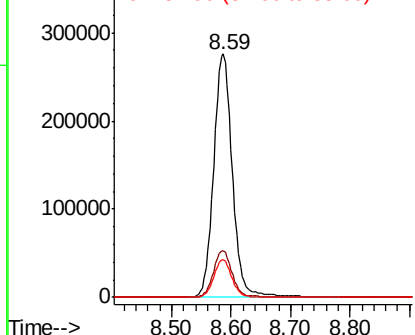
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VN056393.D
Acq: 20 Jun 2019 11:32

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:114 Resp: 601585
Ion Ratio Lower Upper
114 100
63 19.1 0.0 39.2
88 15.6 0.0 31.4

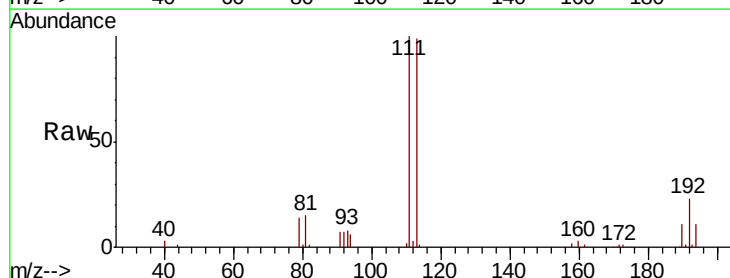


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

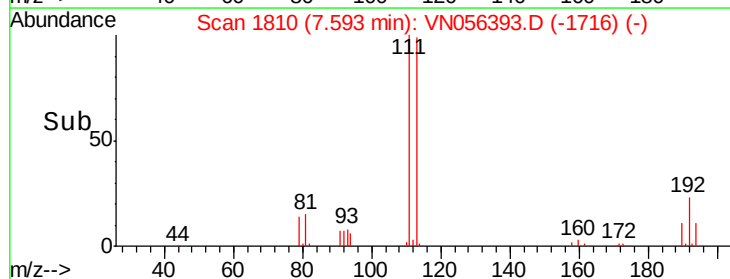
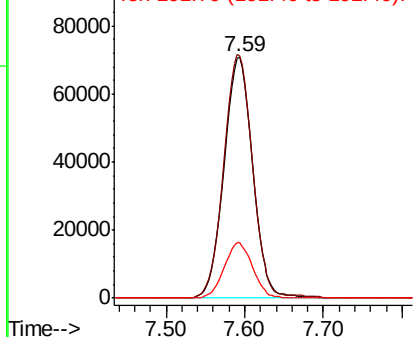


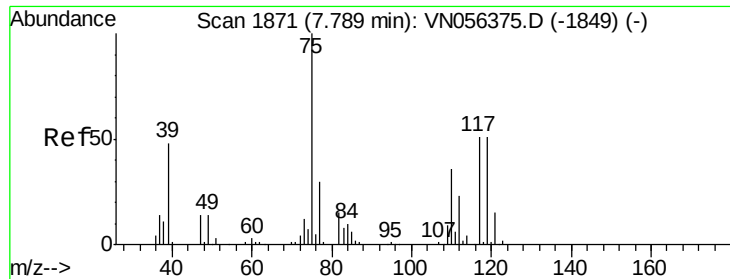
#35
Dibromofluoromethane
Concen: 47.474 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN056393.D
Acq: 20 Jun 2019 11:32

Tgt Ion:113 Resp: 178167
Ion Ratio Lower Upper
113 100
111 101.8 82.9 124.3
192 22.7 17.7 26.5



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

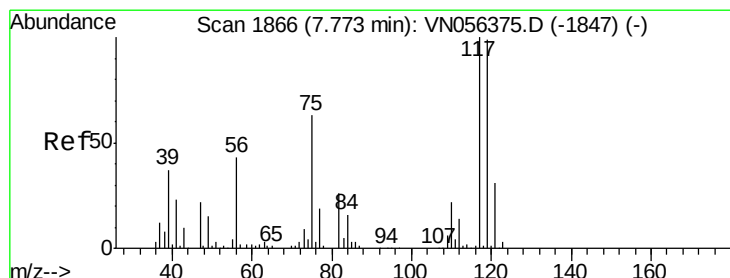
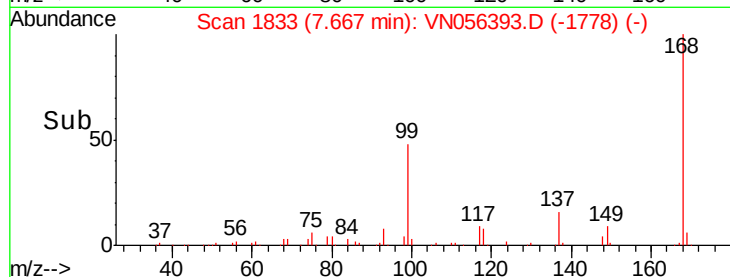
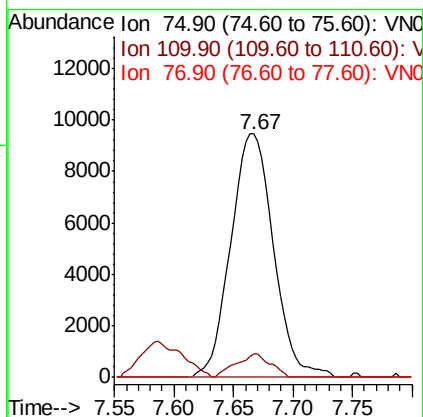
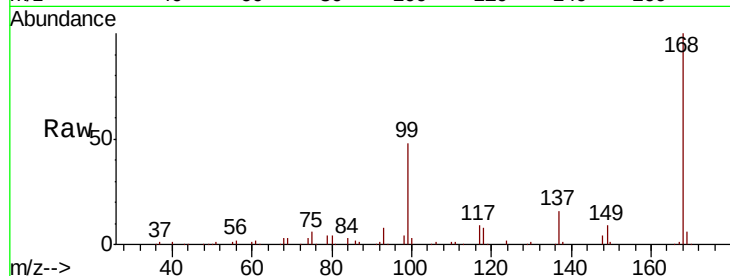




#36
 1,1-Dichloropropene
 Concen: 4.447 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.12 min
 Lab File: VN056393.D
 Acq: 20 Jun 2019 11:32

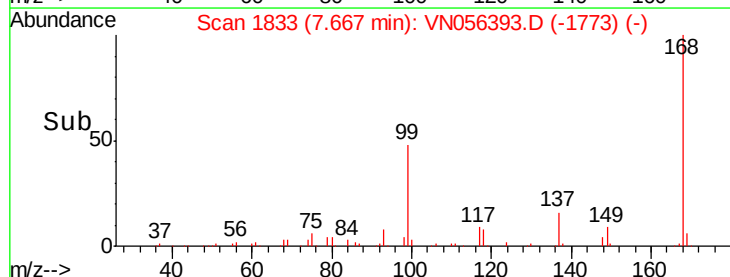
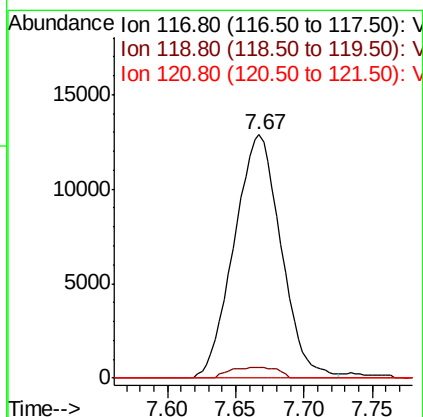
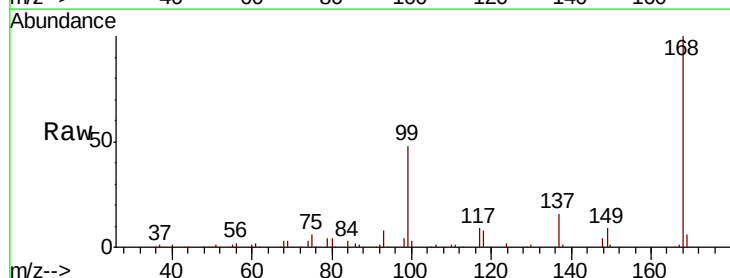
Instrument :
 MSVOA_N
 ClientSampleId :

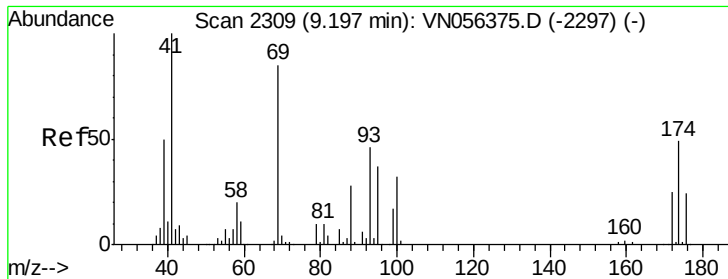
Tot Ion	75	Resp	23546
Ion Ratio	Lower	Upper	
75	100		
110	7.8	18.1	54.3#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.647 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN056393.D
 Acq: 20 Jun 2019 11:32

Tgt Ion	117	Resp	30778
Ion Ratio	Lower	Upper	
117	100		
119	4.6	79.1	118.7#
121	0.0	24.8	37.2#

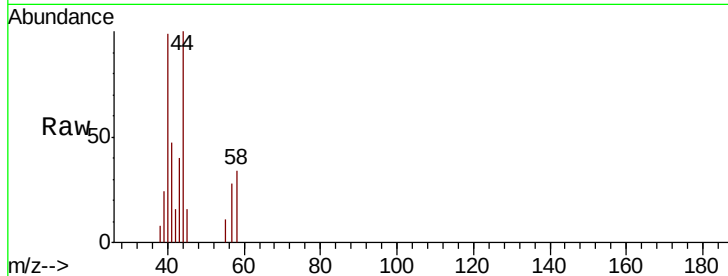




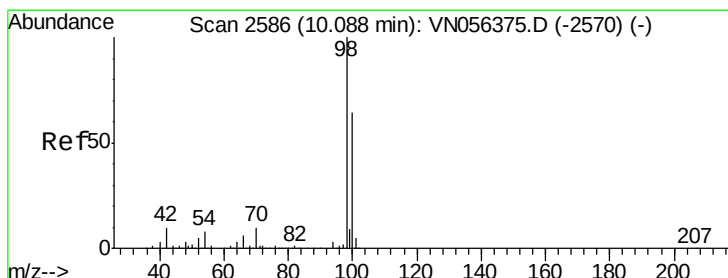
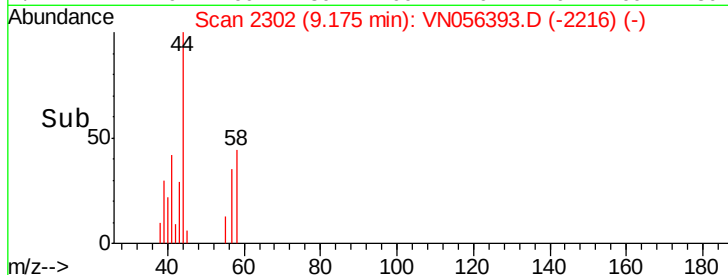
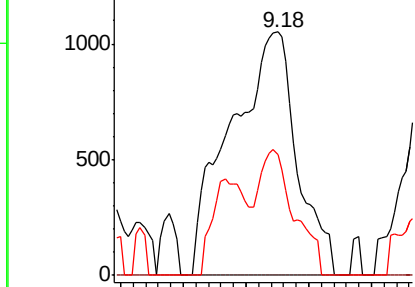
#48
Methyl methacrylate
Concen: 0.967 ug/l
RT: 9.18 min Scan# 2302
Delta R.T. -0.02 min
Lab File: VN056393.D
Acq: 20 Jun 2019 11:32

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 3889
Ion Ratio Lower Upper
41 100
69 0.0 72.6 109.0#
39 28.3 42.6 63.8#

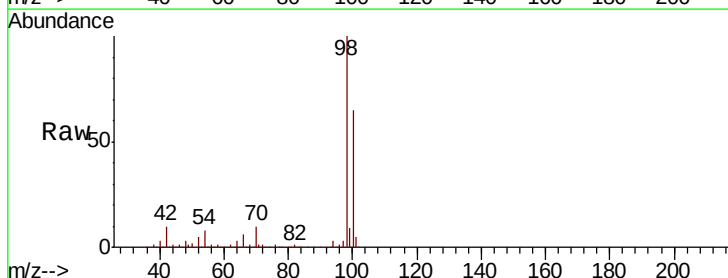


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO

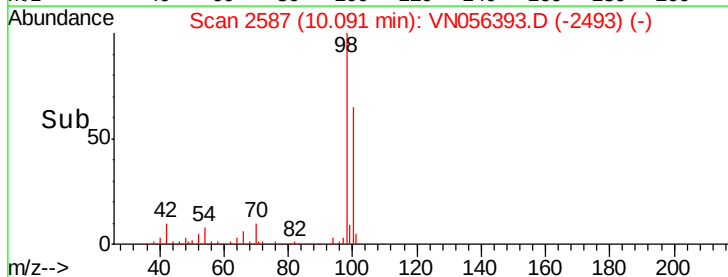
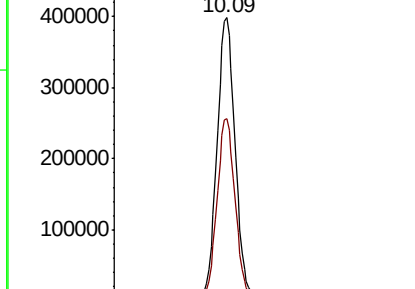


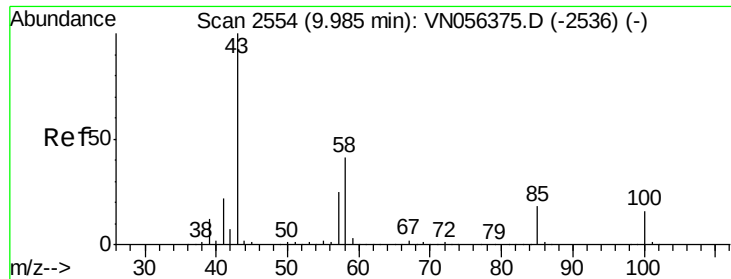
#50
Toluene-d8
Concen: 50.898 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN056393.D
Acq: 20 Jun 2019 11:32

Tgt Ion: 98 Resp: 743253
Ion Ratio Lower Upper
98 100
100 64.6 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VNO
Ion 100.00 (99.70 to 100.70): VNO





#51

4-Methyl-2-Pentanone

Concen: 0.614 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056393.D

Acq: 20 Jun 2019 11:32

Instrument :

MSVOA_N

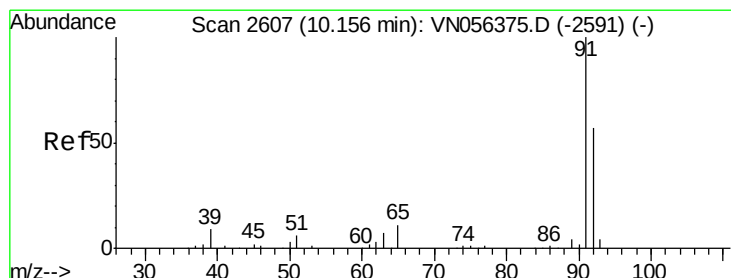
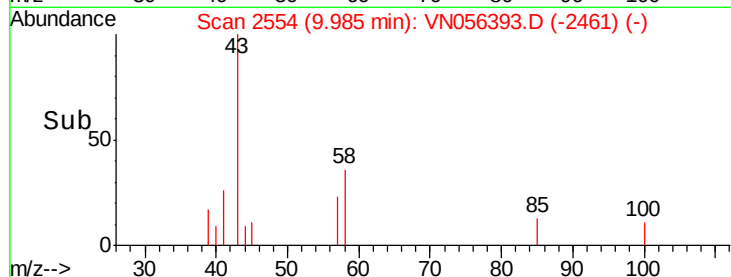
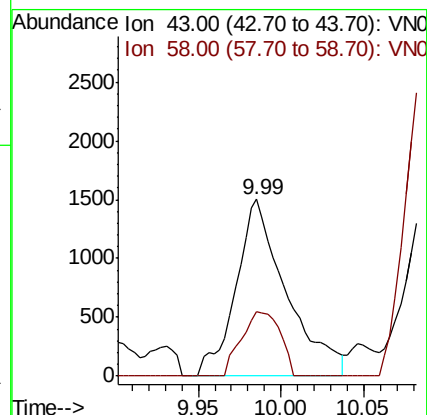
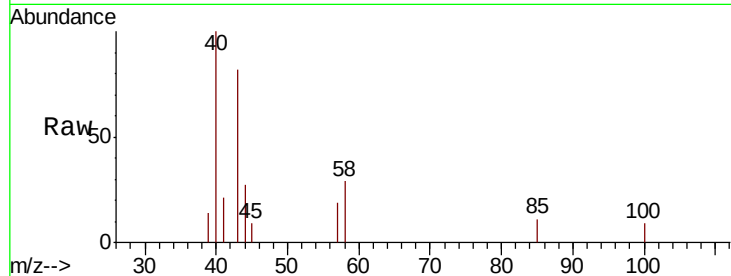
ClientSampled :

Tot Ion: 43 Resp: 3178

Ion Ratio Lower Upper

43 100

58 27.8 31.8 47.8#



#52

Toluene

Concen: 0.318 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056393.D

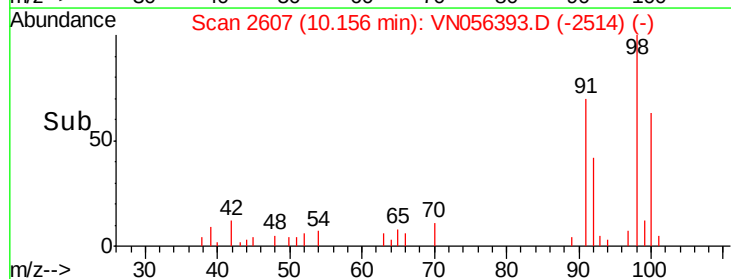
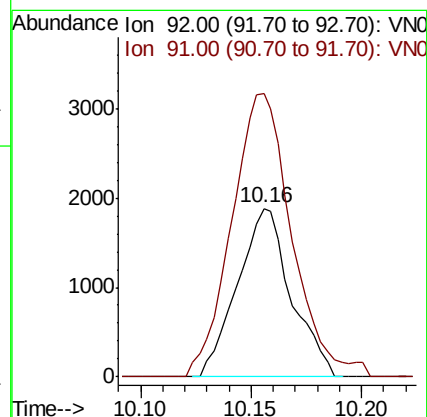
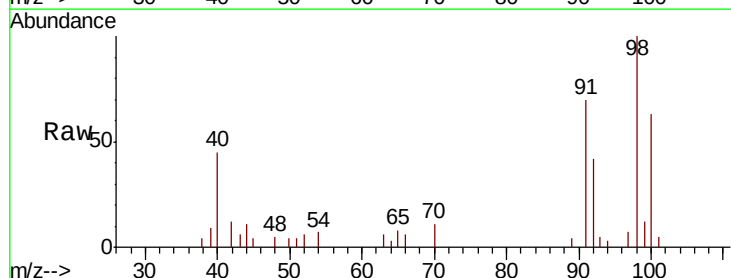
Acq: 20 Jun 2019 11:32

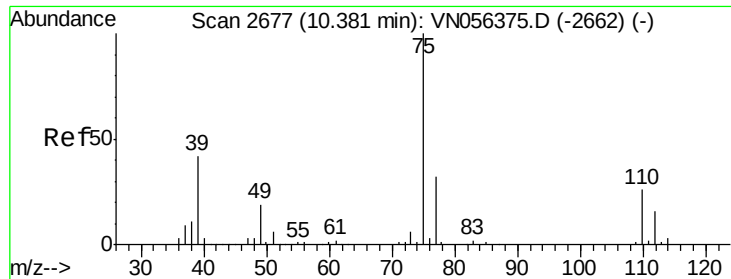
Tgt Ion: 92 Resp: 3165

Ion Ratio Lower Upper

92 100

91 189.1 140.6 211.0

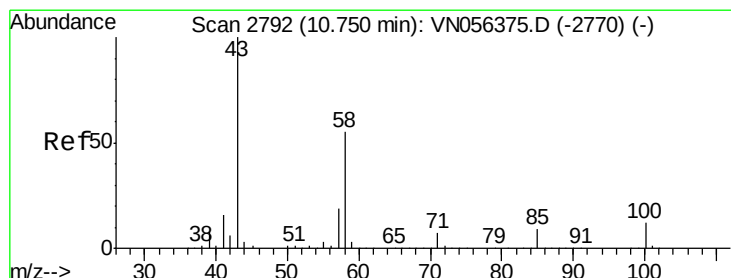
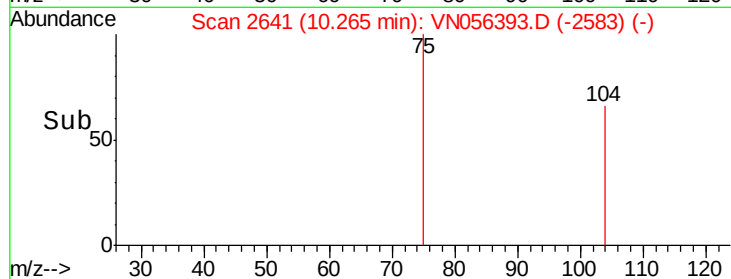
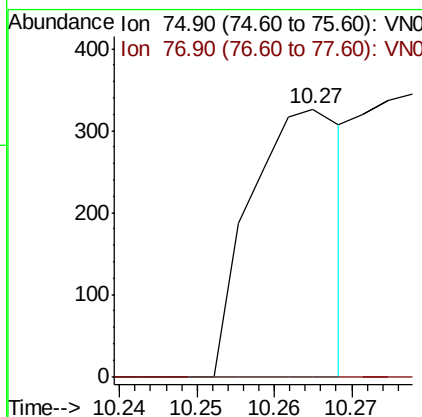
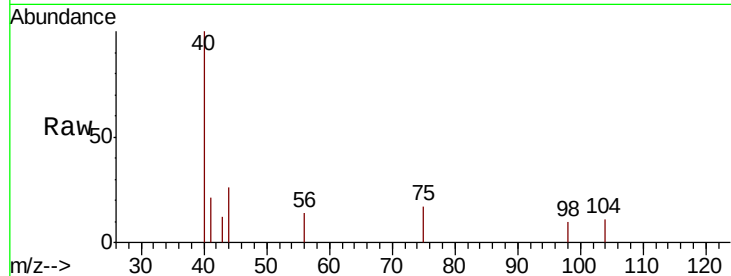




#53
t-1,3-Dichloropropene
Concen: 2.936 ug/l
RT: 10.27 min Scan# 2641
Delta R.T. -0.11 min
Lab File: VN056393.D
Acq: 20 Jun 2019 11:32

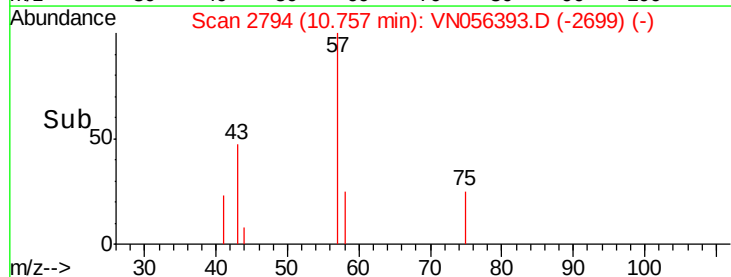
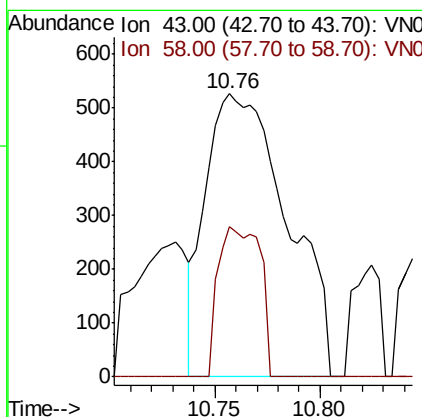
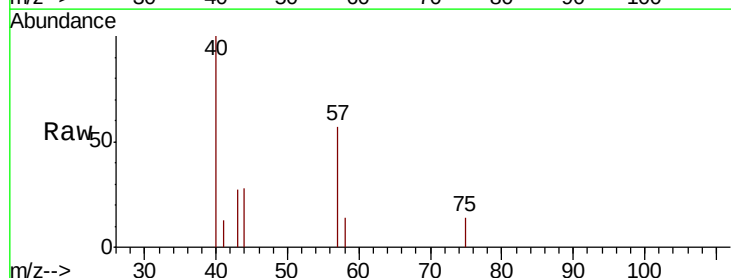
Instrument :
MSVOA_N
ClientSampled :

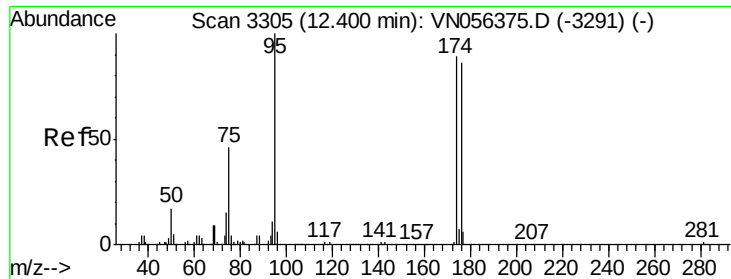
Tot Ion: 75 Resp: 268
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#



#59
2-Hexanone
Concen: 0.372 ug/l
RT: 10.76 min Scan# 2794
Delta R.T. 0.01 min
Lab File: VN056393.D
Acq: 20 Jun 2019 11:32

Tgt Ion: 43 Resp: 1417
Ion Ratio Lower Upper
43 100
58 26.8 27.8 83.4#

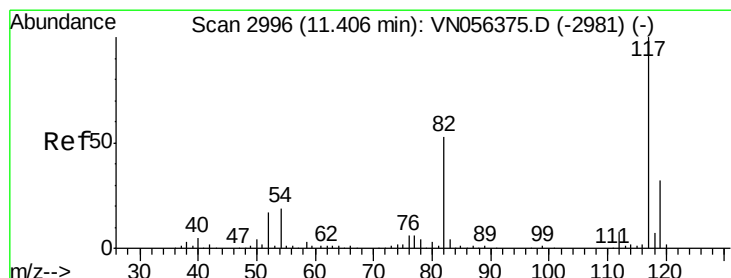
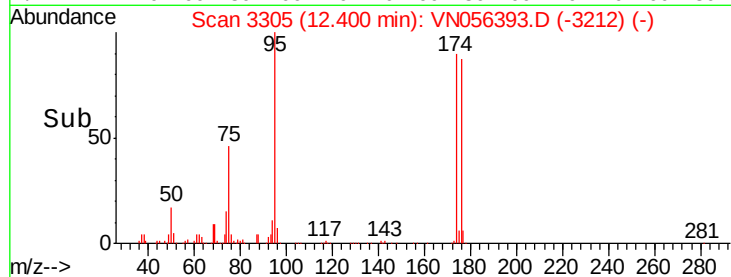
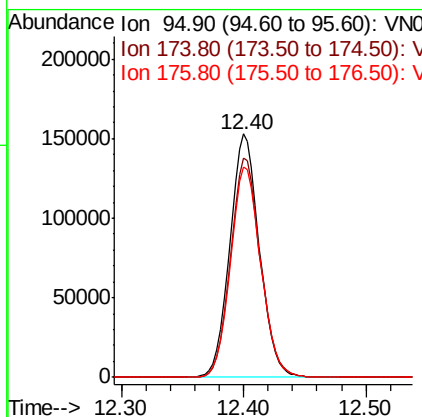
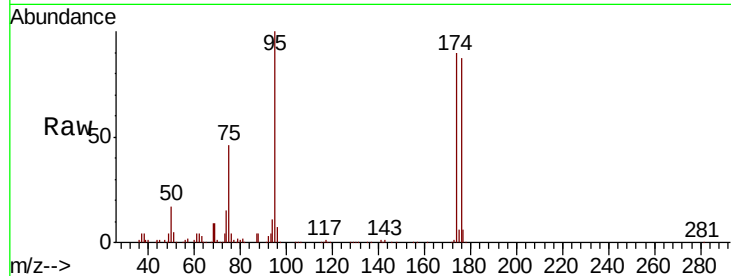




#62
4-Bromofluorobenzene
Concen: 52.995 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN056393.D
Acq: 20 Jun 2019 11:32

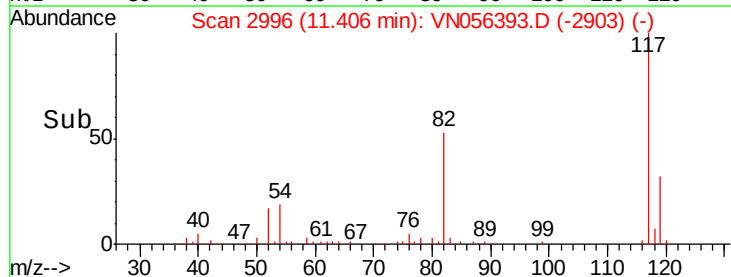
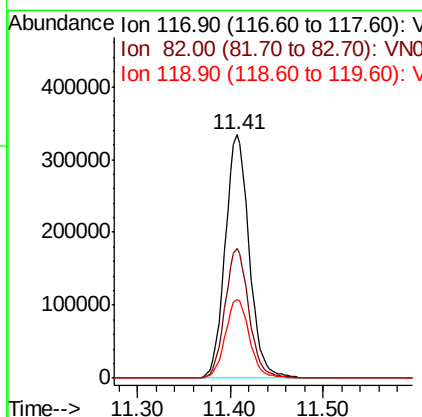
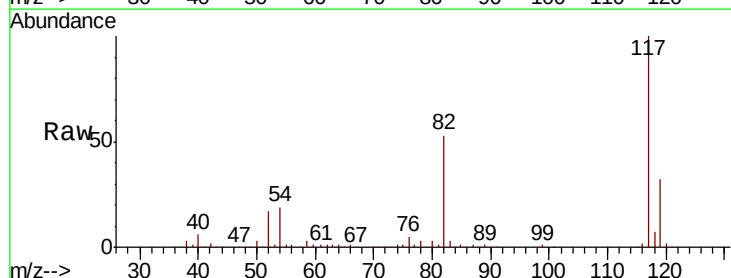
Instrument :
MSVOA_N
ClientSampleId :

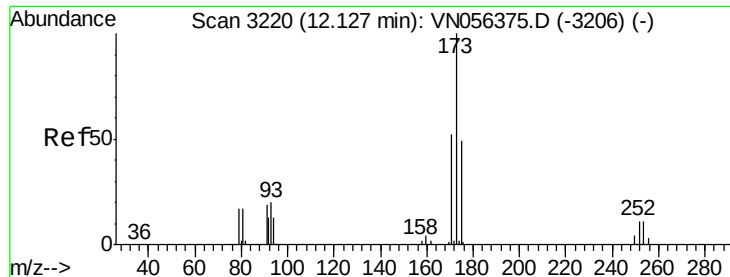
Tot Ion	95	Resp	257980
Ion Ratio	Lower	Upper	
95	100		
174	91.0	0.0	179.4
176	88.5	0.0	173.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056393.D
Acq: 20 Jun 2019 11:32

Tgt Ion	117	Resp	599270
Ion Ratio	Lower	Upper	
117	100		
82	53.1	42.0	63.0
119	32.5	25.3	37.9





#71

Bromoform

Concen: 3.475 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN056393.D

Acq: 20 Jun 2019 11:32

Instrument :

MSVOA_N

ClientSampled :

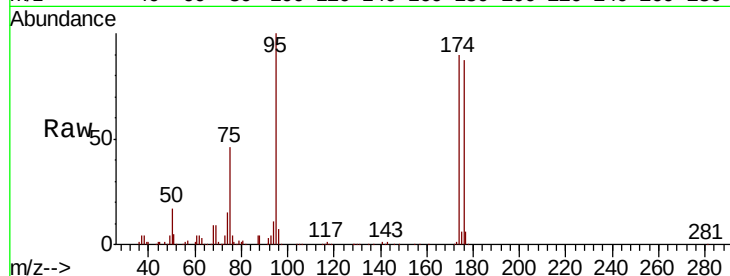
Tot Ion:173 Resp: 1163

Ion Ratio Lower Upper

173 100

175 1270.9 24.4 73.4#

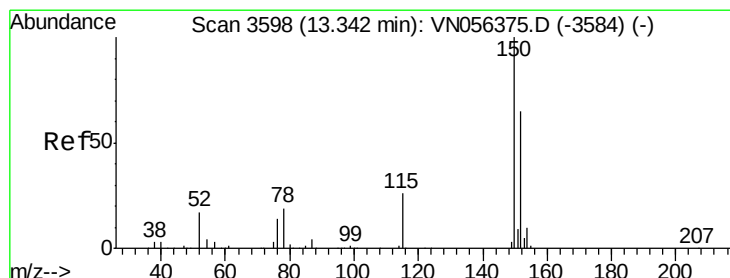
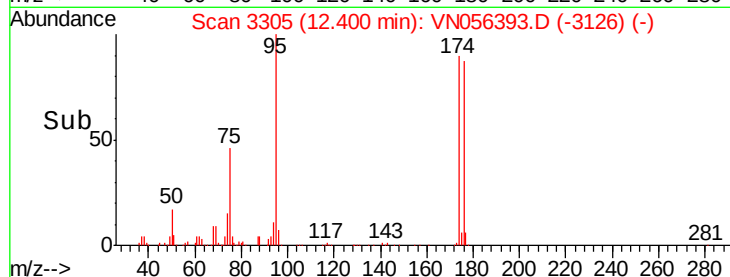
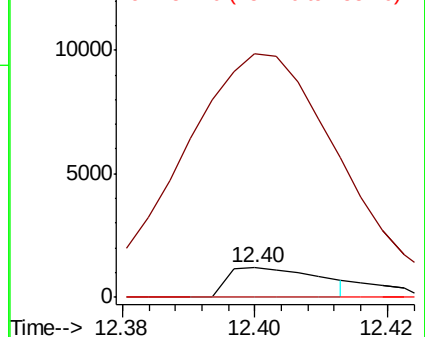
254 0.0 0.0 0.0



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: VN056393.D

Acq: 20 Jun 2019 11:32

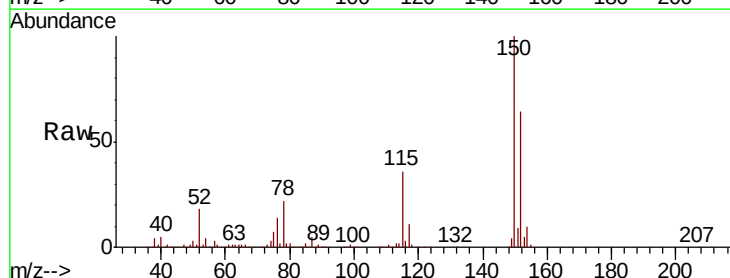
Tgt Ion:152 Resp: 224133

Ion Ratio Lower Upper

152 100

115 55.1 28.1 84.4

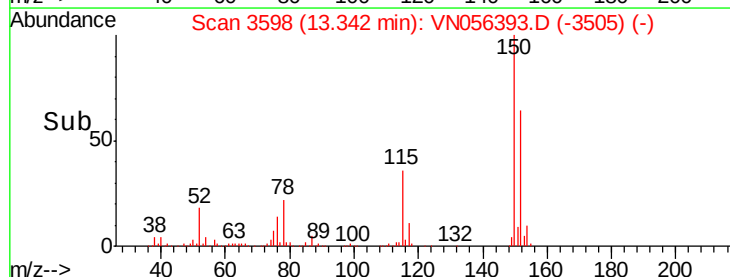
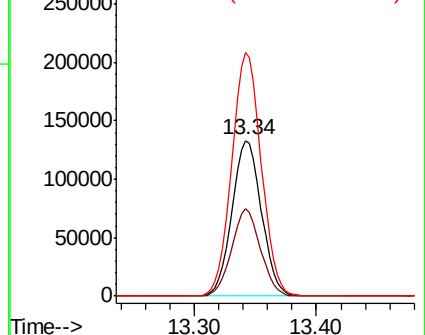
150 156.4 0.0 348.4

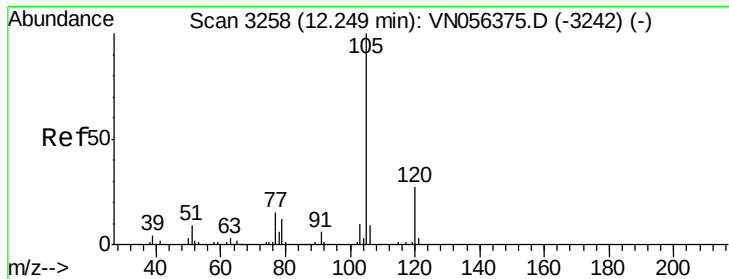


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: Below Cal

RT: 12.26 min Scan# 3260

Delta R.T. 0.01 min

Lab File: VN056393.D

Acq: 20 Jun 2019 11:32

Instrument :

MSVOA_N

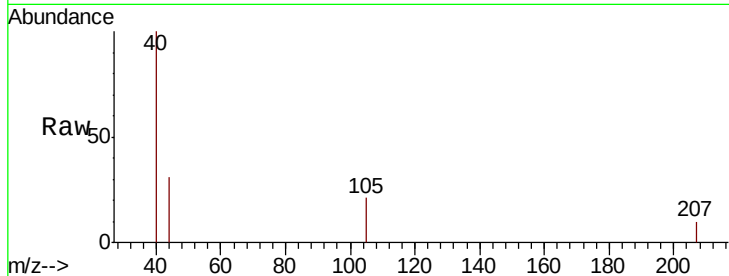
ClientSampleId :

Tot Ion: 105 Resp: 614

Ion Ratio Lower Upper

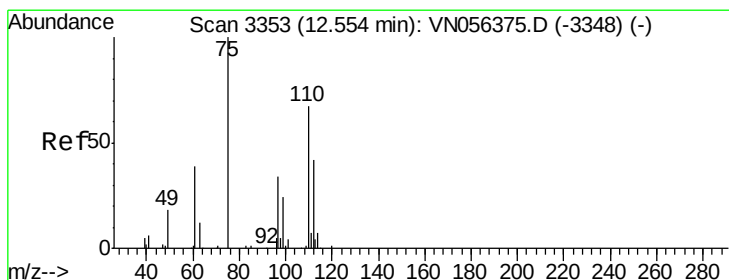
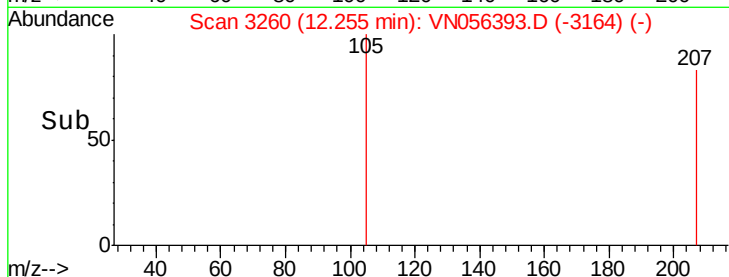
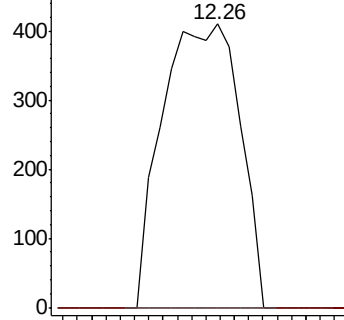
105 100

120 0.0 13.4 40.2#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

1,2,3-Trichloropropane

Concen: 25.649 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056393.D

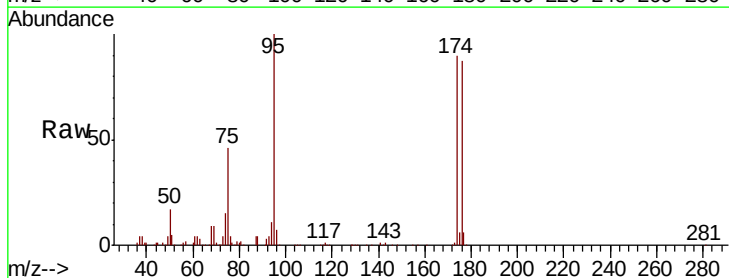
Acq: 20 Jun 2019 11:32

Tgt Ion: 75 Resp: 119201

Ion Ratio Lower Upper

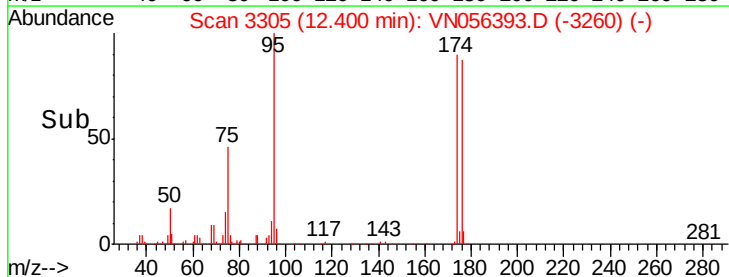
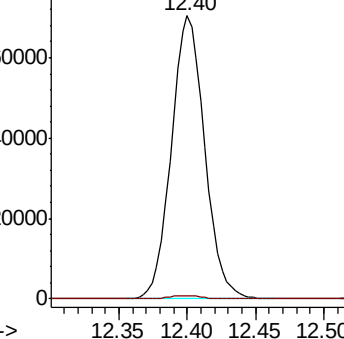
75 100

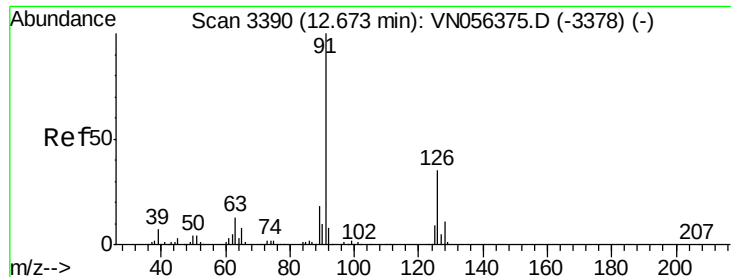
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

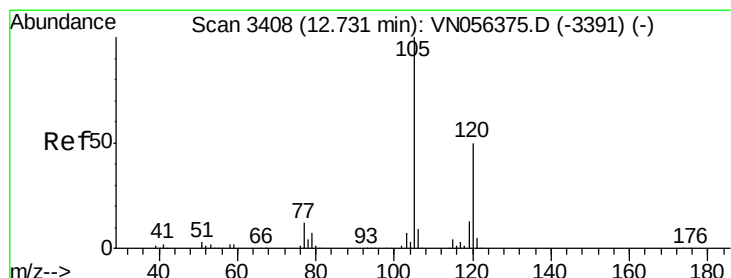
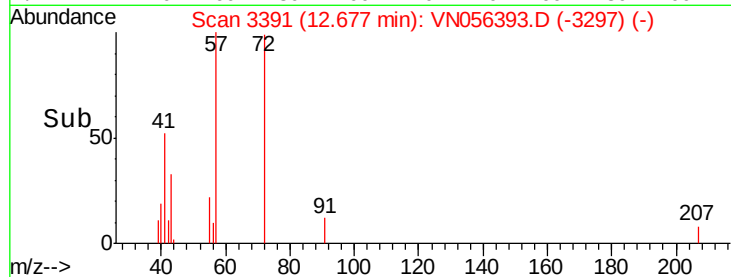
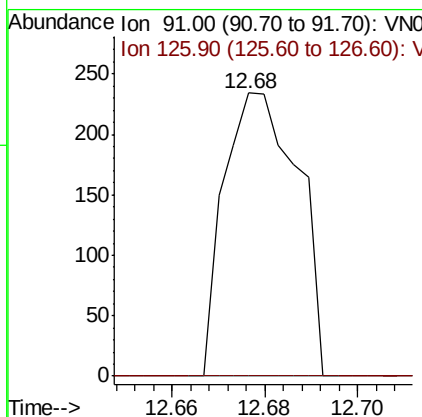
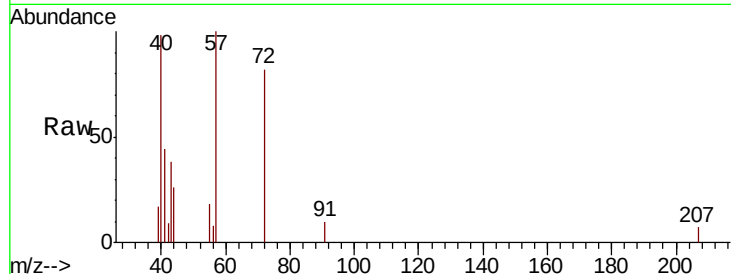




#79
 2-Chlorotoluene
 Concen: Below Cal
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN056393.D
 Acq: 20 Jun 2019 11:32

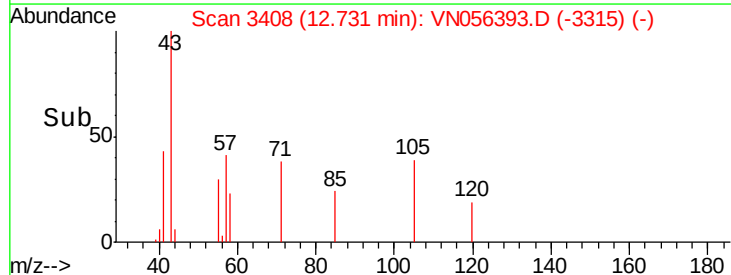
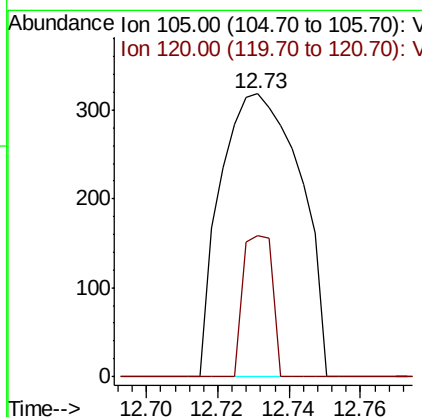
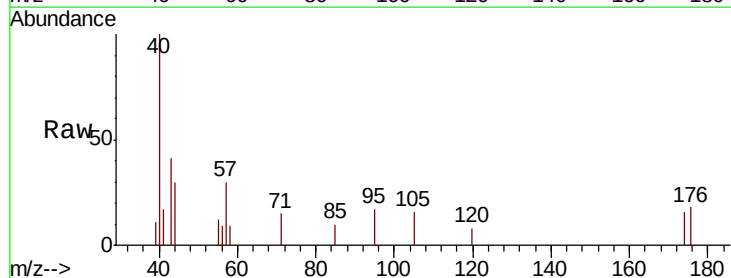
Instrument :
 MSVOA_N
 ClientSampled :

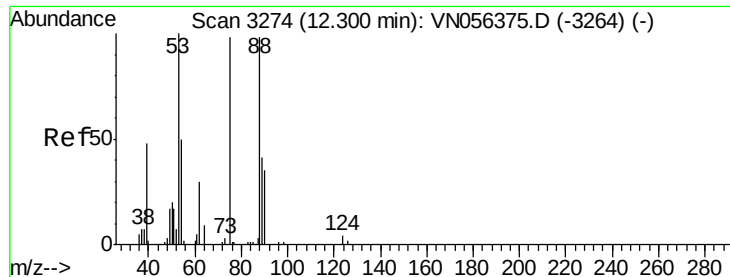
Tot Ion: 91 Resp: 258
 Ion Ratio Lower Upper
 91 100
 126 0.0 17.6 52.8#



#80
 1,3,5-Trimethylbenzene
 Concen: Below Cal
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN056393.D
 Acq: 20 Jun 2019 11:32

Tgt Ion: 105 Resp: 490
 Ion Ratio Lower Upper
 105 100
 120 18.4 24.8 74.4#





#81

trans-1,4-Dichloro-2-butene

Concen: 91.159 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056393.D

Acq: 20 Jun 2019 11:32

Instrument :

MSVOA_N

ClientSampleId :

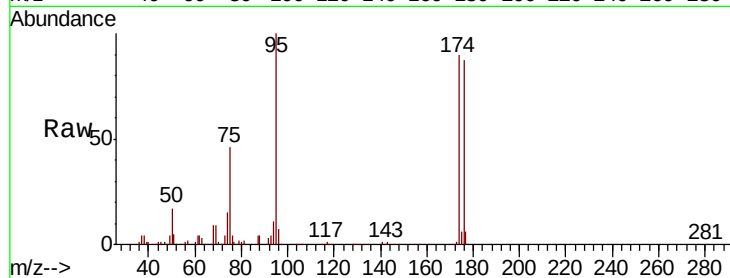
Tot Ion: 75 Resp: 119201

Ion Ratio Lower Upper

75 100

53 0.0 83.9 125.9#

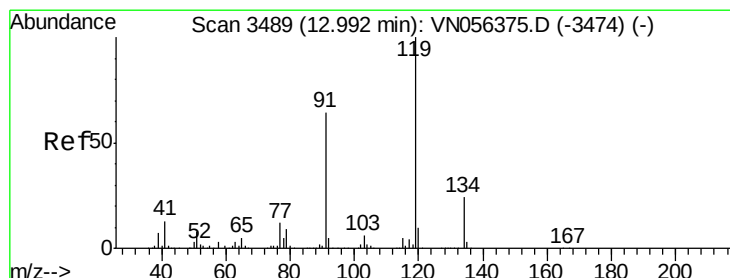
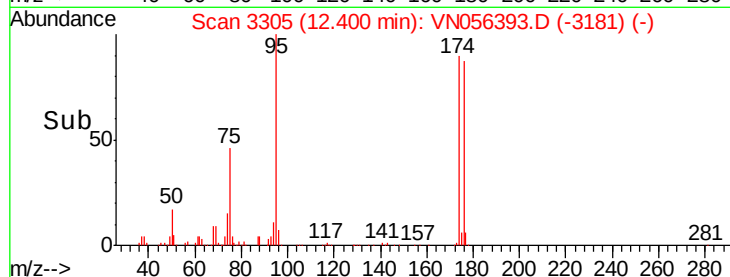
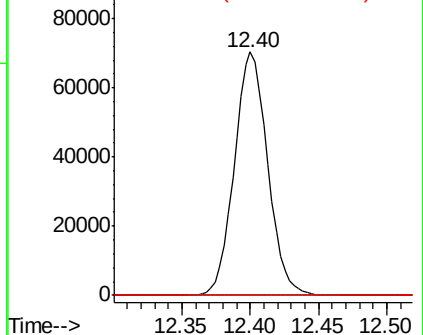
89 0.0 35.0 52.6#



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: VN056393.D

Acq: 20 Jun 2019 11:32

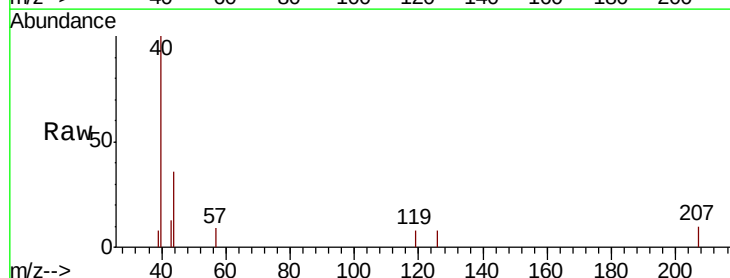
Tgt Ion: 119 Resp: 31

Ion Ratio Lower Upper

119 100

91 0.0 31.6 94.7#

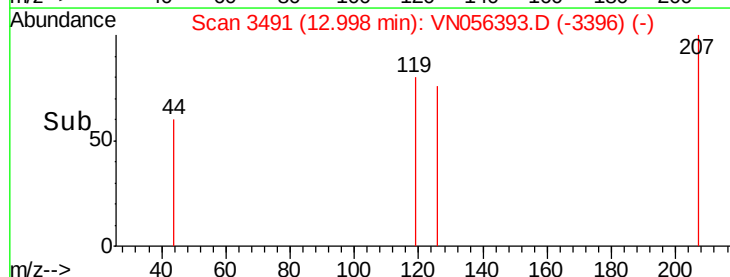
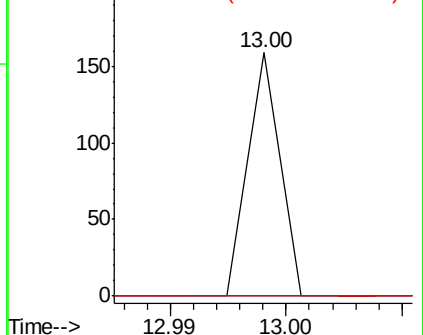
134 0.0 13.2 39.5#

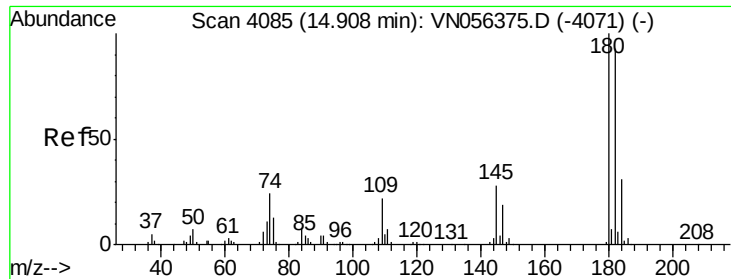


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN0

Ion 134.00 (133.70 to 134.70): V





#93

1,2,4-Trichlorobenzene

Concen: 5.703 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN056393.D

Acq: 20 Jun 2019 11:32

Instrument :

MSVOA_N

ClientSampled :

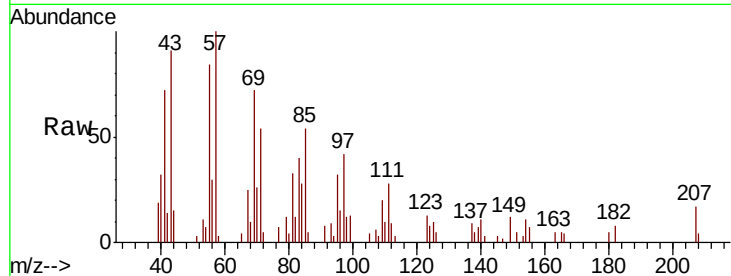
Tot Ion:180 Resp: 394

Ion Ratio Lower Upper

180 100

182 304.8 46.9 140.6#

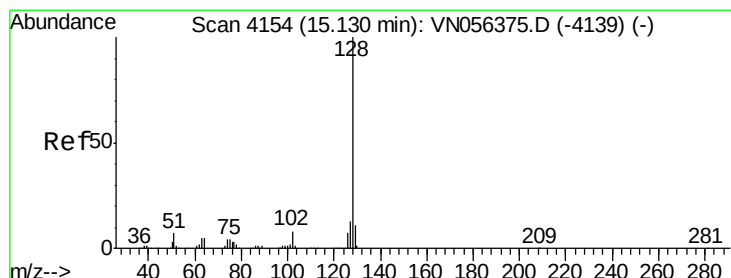
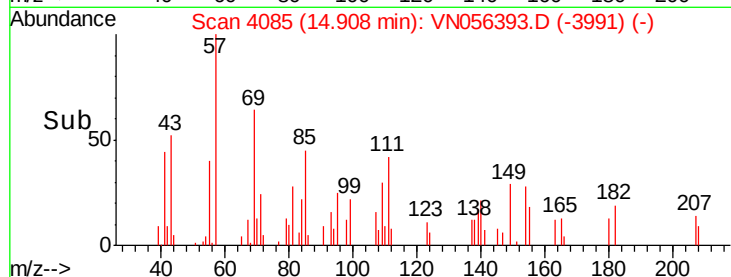
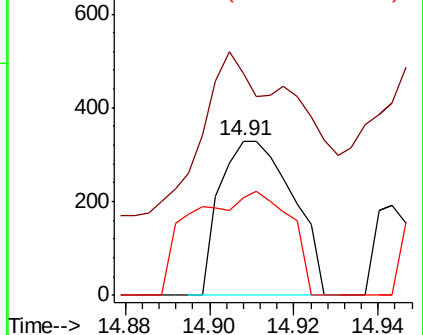
145 90.6 14.4 43.0#



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: 5.362 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056393.D

Acq: 20 Jun 2019 11:32

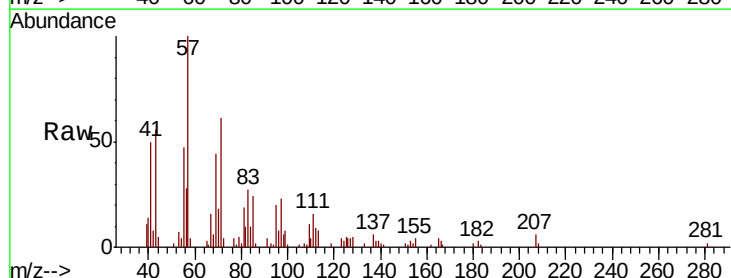
Tgt Ion:128 Resp: 1339

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

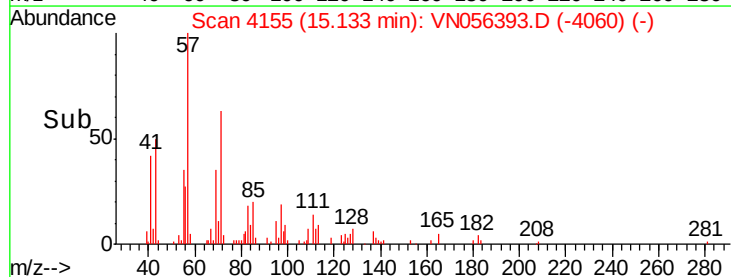
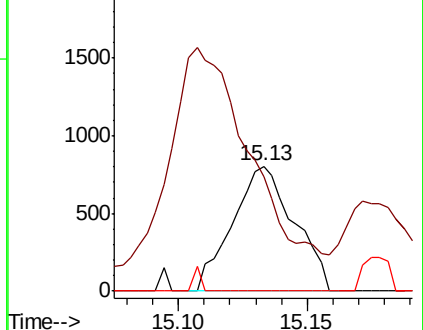
129 0.0 8.6 12.8#

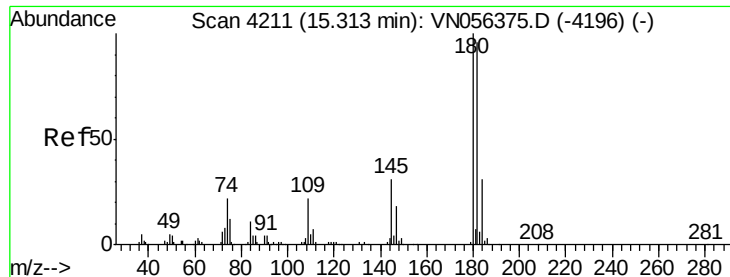


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

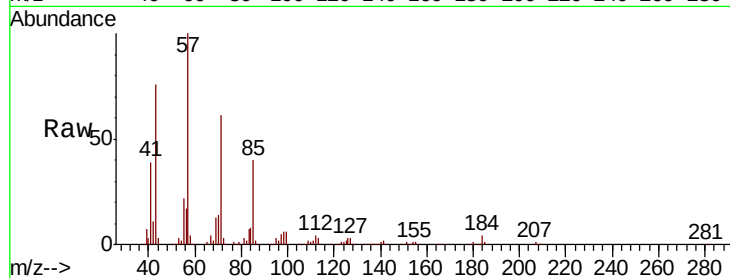




#96
 1,2,3-Trichlorobenzene
 Concen: 4.727 ug/l
 RT: 15.34 min Scan# 4219
 Delta R.T. 0.03 min
 Lab File: VN056393.D
 Acq: 20 Jun 2019 11:32

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	115.9	48.3	144.8
145	27.1	15.4	46.1



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

