

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061919\
 Data File : VN056379.D
 Acq On : 19 Jun 2019 12:12
 Operator : JC/SP
 Sample : VN0619WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBL01

Quant Time: Jun 20 04:47:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 04:41:37 2019
 Response via : Initial Calibration

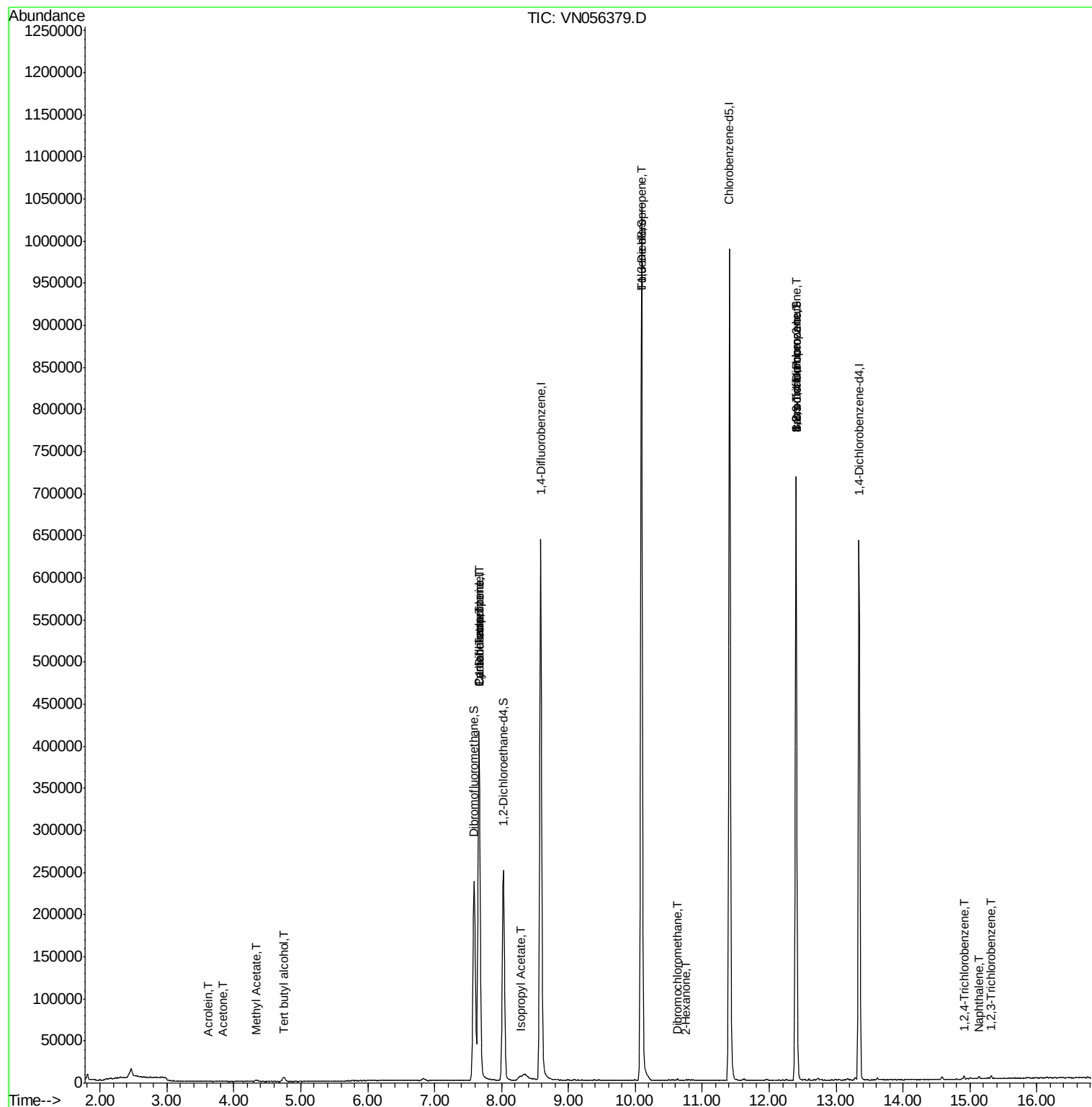
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	372373	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	626567	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	624105	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	187969	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	209421	50.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.48%	
35) Dibromofluoromethane	7.59	113	181976	46.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.12%	
50) Toluene-d8	10.09	98	776151	51.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.06%	
62) 4-Bromofluorobenzene	12.40	95	252483	49.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.60%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.74	59	4963	7.140	ug/l #	74
13) Acrolein	3.61	56	511	0.872	ug/l #	71
16) Acetone	3.83	43	1486	0.719	ug/l	99
18) Methyl Acetate	4.33	43	4537	0.257	ug/l #	90
31) Cyclohexane	7.66	56	6112	0.959	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	24286	4.404	ug/l #	48
38) Carbon Tetrachloride	7.66	117	32836	6.809	ug/l #	15
43) Isopropyl Acetate	8.29	43	5179	0.620	ug/l #	54
53) t-1,3-Dichloropropene	10.09	75	61	2.901	ug/l #	67
59) 2-Hexanone	10.76	43	1119	0.282	ug/l #	52
60) Dibromochloromethane	10.63	129	334	2.456	ug/l #	10
71) Bromoform	12.40	173	1848	3.649	ug/l #	1
73) Isopropylbenzene	12.25	105	835	Below Cal	#	64
76) 1,2,3-Trichloropropane	12.40	75	118137	30.310	ug/l #	100
79) 2-Chlorotoluene	12.68	91	743	Below Cal		78
80) 1,3,5-Trimethylbenzene	12.74	105	1128	Below Cal	#	63
81) trans-1,4-Dichloro-2-buten	12.40	75	118137	107.728	ug/l #	8
83) tert-Butylbenzene	13.00	119	724	Below Cal	#	84
93) 1,2,4-Trichlorobenzene	14.91	180	1436	6.001	ug/l #	79
94) Hexachlorobutadiene	15.00	225	411	Below Cal		77
95) Naphthalene	15.14	128	3173	5.575	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.32	180	1682	4.930	ug/l	90

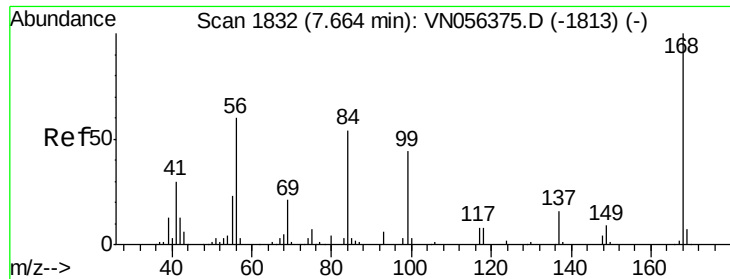
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jun 20 04:41:37 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: VN056379.D

Acq: 19 Jun 2019 12:12

Instrument :

MSVOA_N

ClientSampleId :

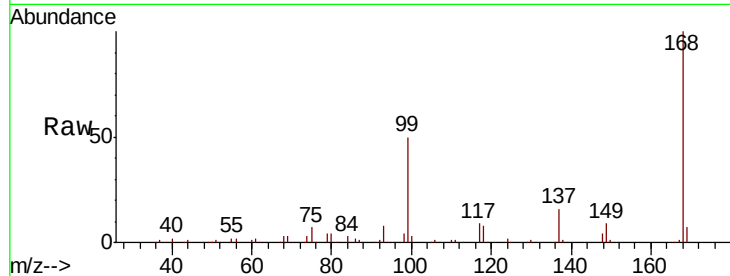
VN0619WBL01

Tot Ion:168 Resp: 372373

Ion Ratio Lower Upper

168 100

99 50.0 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): VN056379.D (-1739) (-)

Ion 98.90 (98.60 to 99.60): VN056379.D (-1739) (-)

7.66

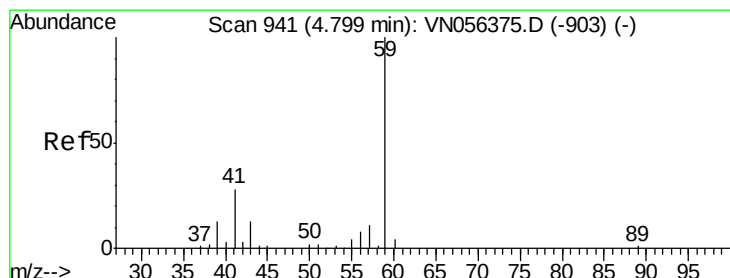
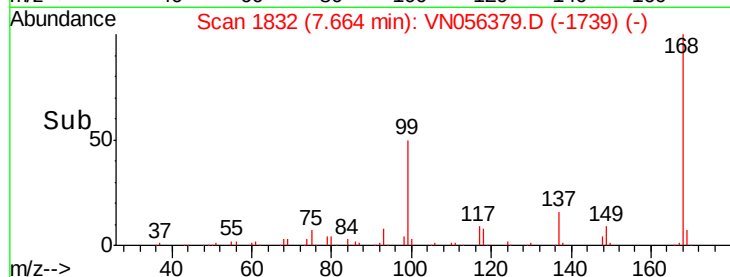
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 7.140 ug/l

RT: 4.74 min Scan# 924

Delta R.T. -0.05 min

Lab File: VN056379.D

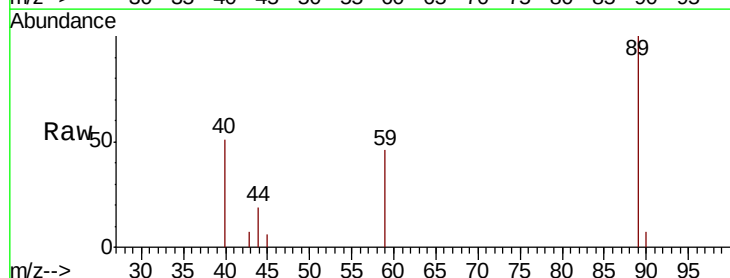
Acq: 19 Jun 2019 12:12

Tgt Ion: 59 Resp: 4963

Ion Ratio Lower Upper

59 100

57 0.0 7.6 11.4#



Abundance Ion 59.00 (58.70 to 59.70): VN056379.D (-848) (-)

Ion 57.00 (56.70 to 57.70): VN056379.D (-848) (-)

4.74

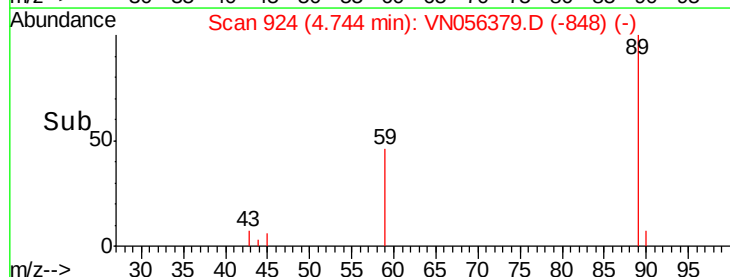
1500

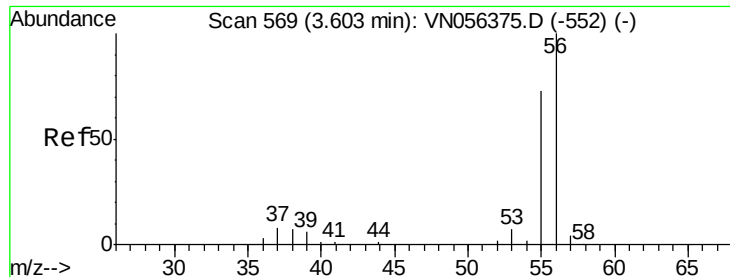
1000

500

0

Time-->





#13

Acrolein

Concen: 0.872 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.01 min

Lab File: VN056379.D

Acq: 19 Jun 2019 12:12

Instrument :

MSVOA_N

ClientSampleId :

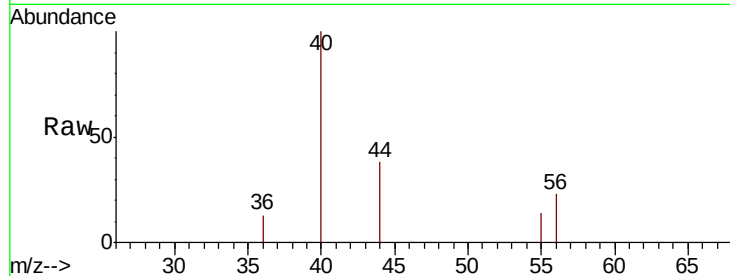
VN0619WBL01

Tot Ion: 56 Resp: 511

Ion Ratio Lower Upper

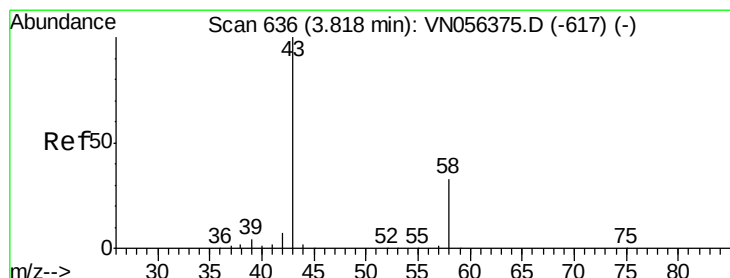
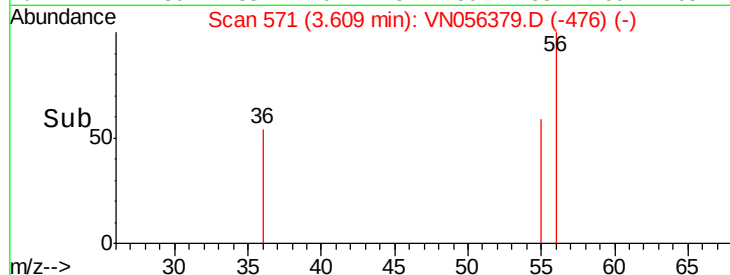
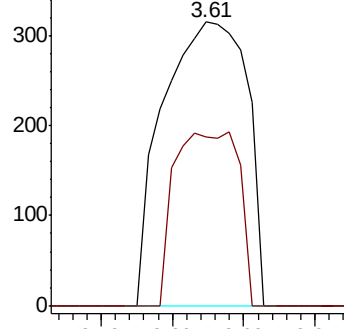
56 100

55 47.0 57.1 85.7#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#16

Acetone

Concen: 0.719 ug/l

RT: 3.83 min Scan# 640

Delta R.T. 0.01 min

Lab File: VN056379.D

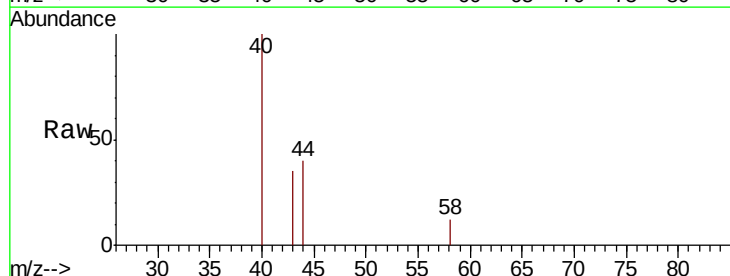
Acq: 19 Jun 2019 12:12

Tgt Ion: 43 Resp: 1486

Ion Ratio Lower Upper

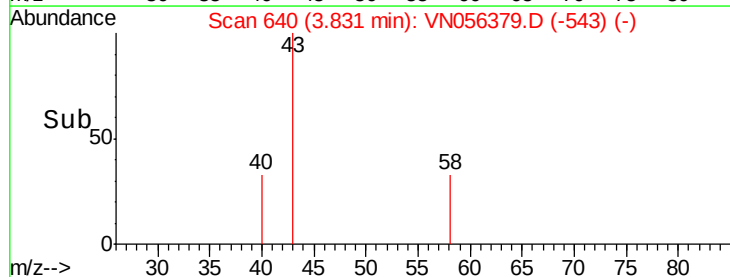
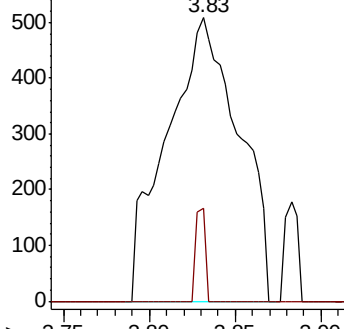
43 100

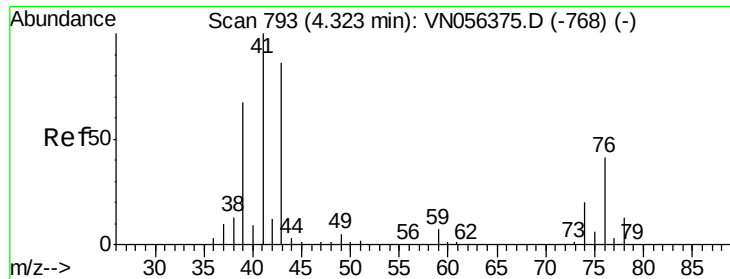
58 32.7 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

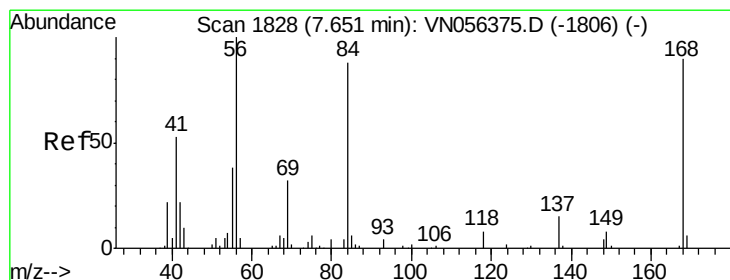
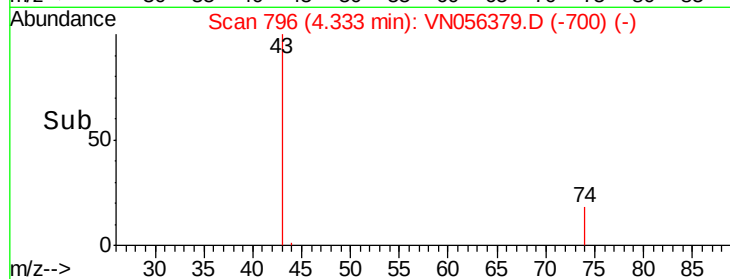
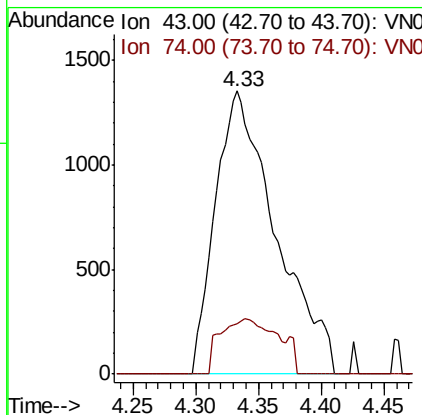
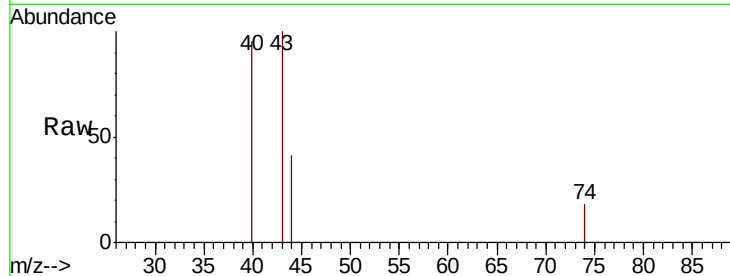




#18
Methyl Acetate
Concen: 0.257 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN056379.D
Acq: 19 Jun 2019 12:12

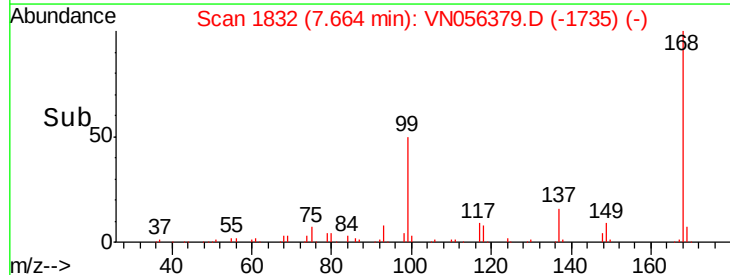
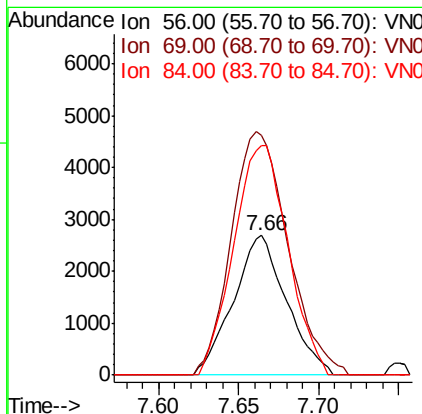
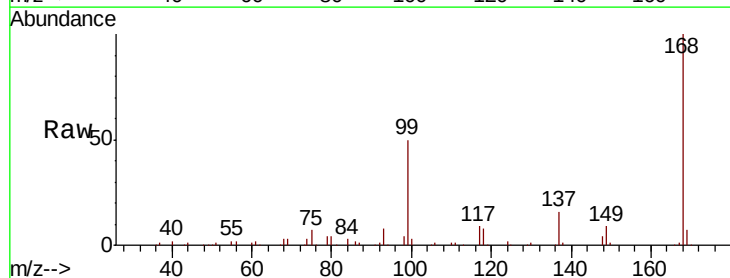
Instrument :
MSVOA_N
ClientSampleId :
VN0619WBL01

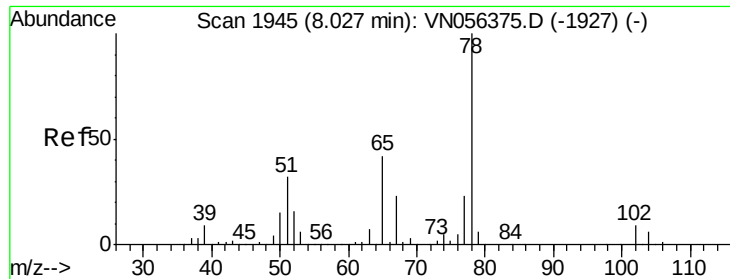
Tot Ion: 43 Resp: 4537
Ion Ratio Lower Upper
43 100
74 18.8 19.2 28.8#



#31
Cyclohexane
Concen: 0.959 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN056379.D
Acq: 19 Jun 2019 12:12

Tgt Ion: 56 Resp: 6112
Ion Ratio Lower Upper
56 100
69 171.9 25.8 38.6#
84 163.9 69.4 104.0#

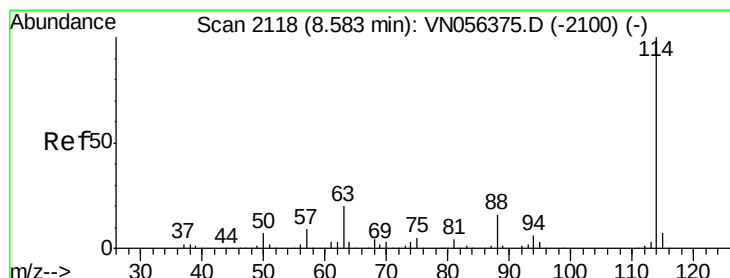
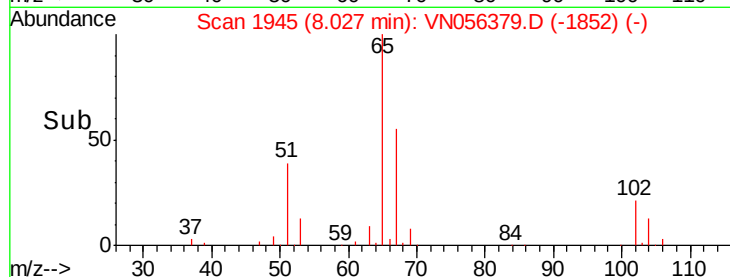
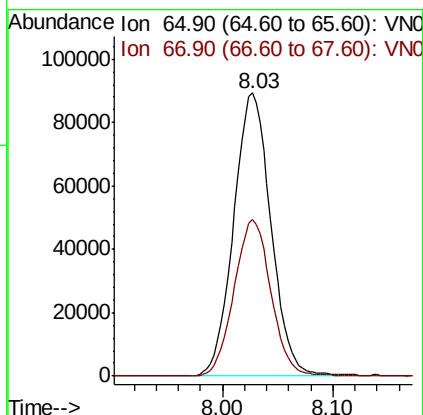
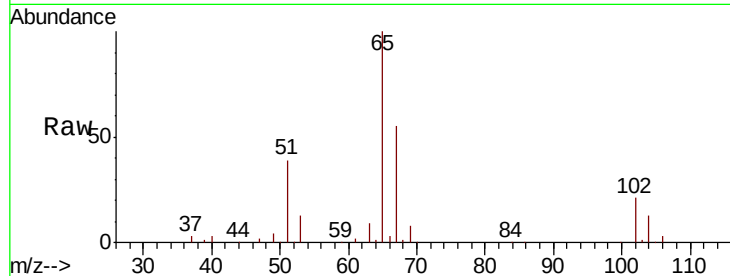




#33
 1,2-Dichloroethane-d4
 Concen: 50.744 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056379.D
 Acq: 19 Jun 2019 12:12

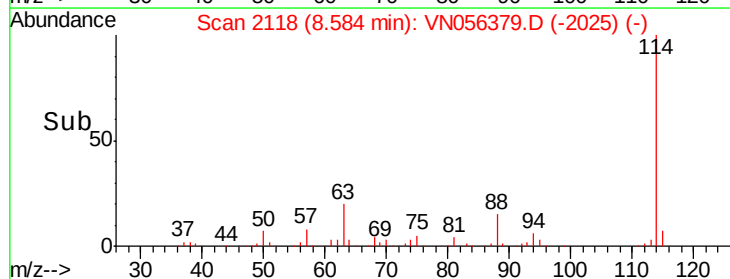
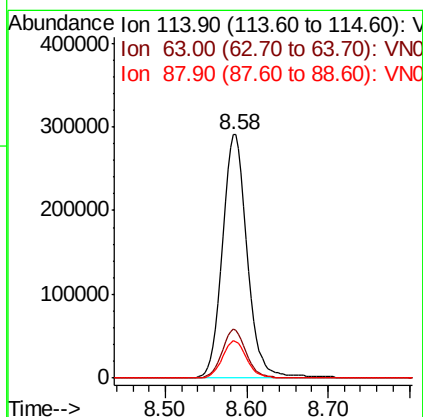
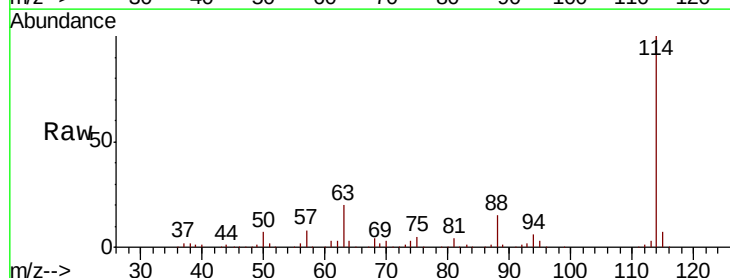
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBL01

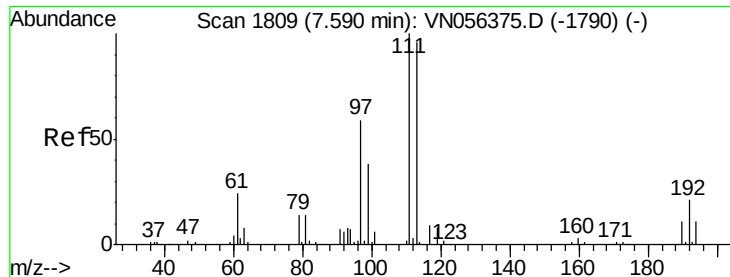
Tot Ion: 65 Resp: 209421
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056379.D
 Acq: 19 Jun 2019 12:12

Tgt Ion: 114 Resp: 626567
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.2
 88 15.2 0.0 31.4

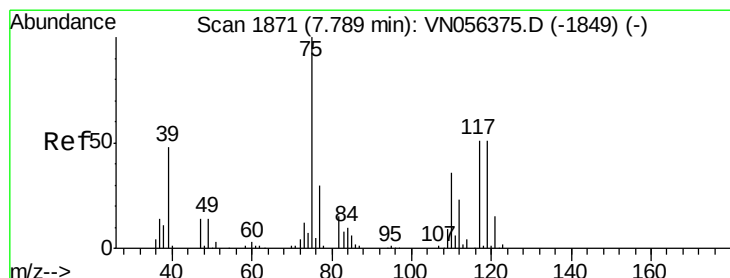
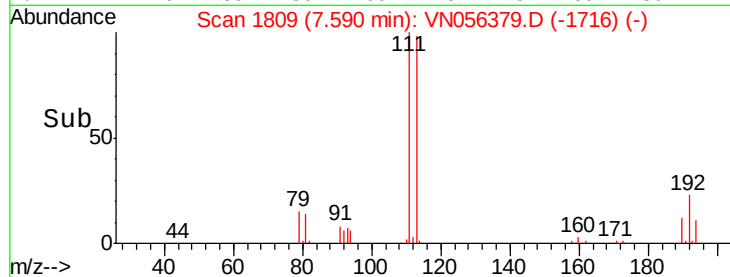
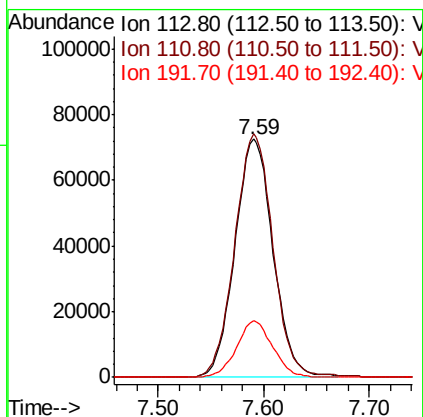
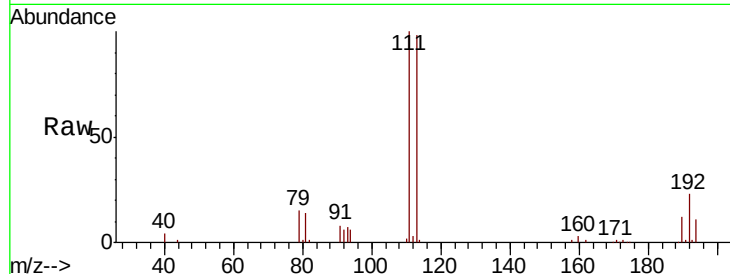




#35
 Dibromofluoromethane
 Concen: 46.556 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056379.D
 Acq: 19 Jun 2019 12:12

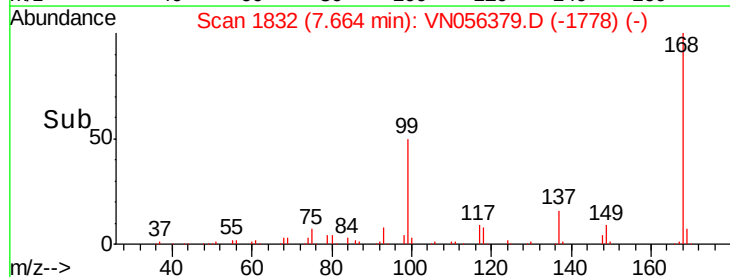
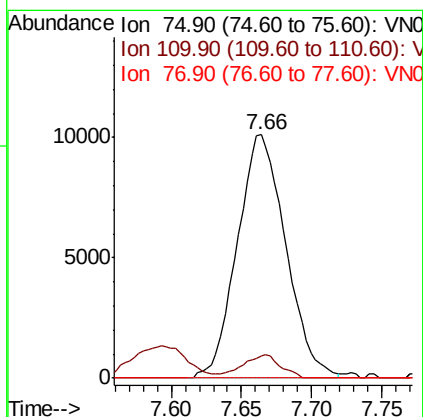
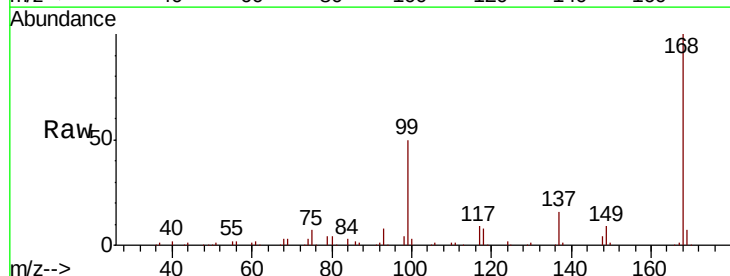
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBL01

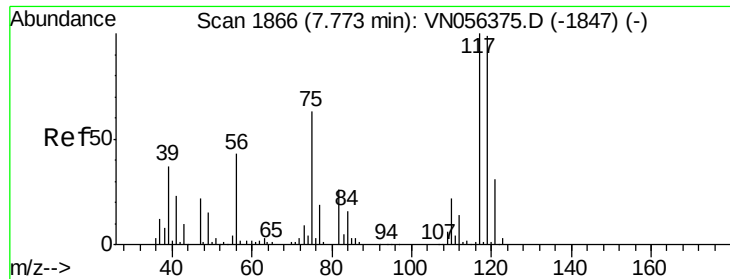
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.9	124.3
192	22.6	17.7	26.5



#36
 1,1-Dichloropropene
 Concen: 4.404 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN056379.D
 Acq: 19 Jun 2019 12:12

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.5	18.1	54.3#
77	0.0	24.6	36.8#

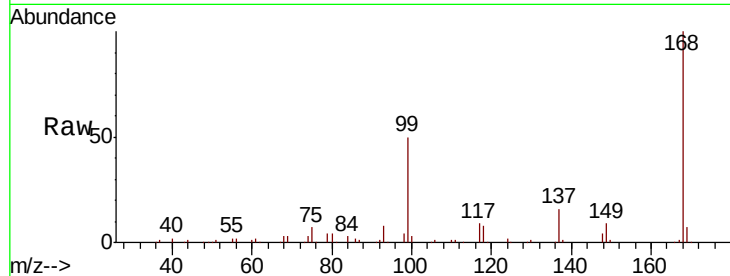




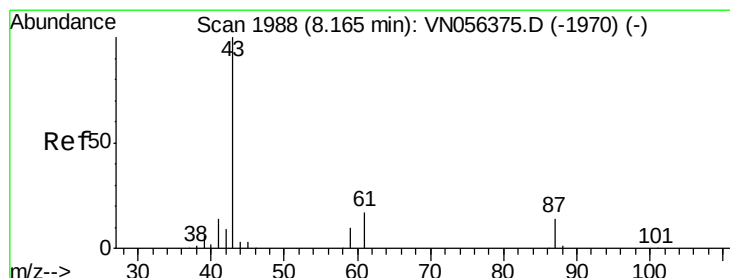
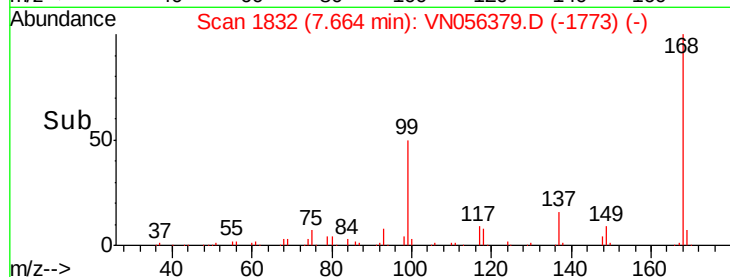
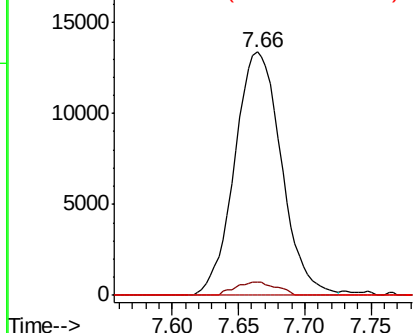
#38
Carbon Tetrachloride
Concen: 6.809 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.11 min
Lab File: VN056379.D
Acq: 19 Jun 2019 12:12

Instrument :
MSVOA_N
ClientSampled :
VN0619WBL01

Tot Ion:117 Resp: 32836
Ion Ratio Lower Upper
117 100
119 5.7 79.1 118.7#
121 0.0 24.8 37.2#

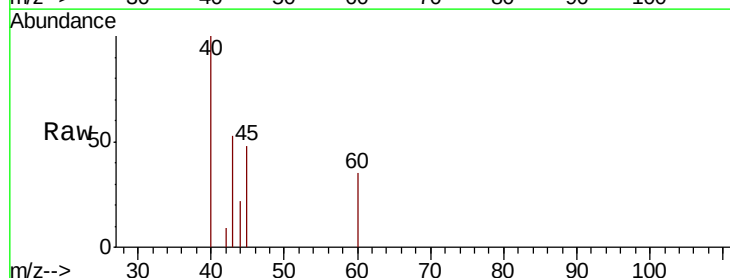


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

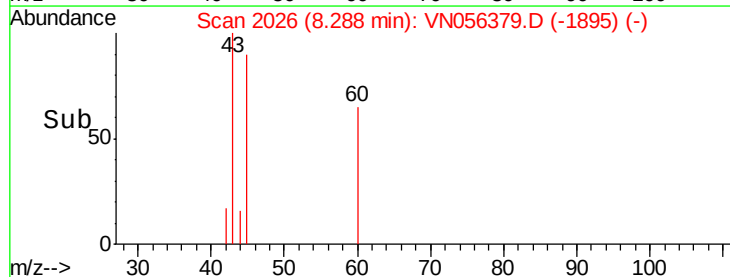
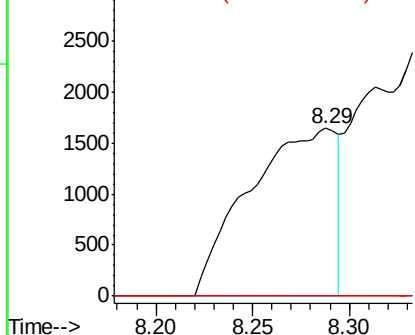


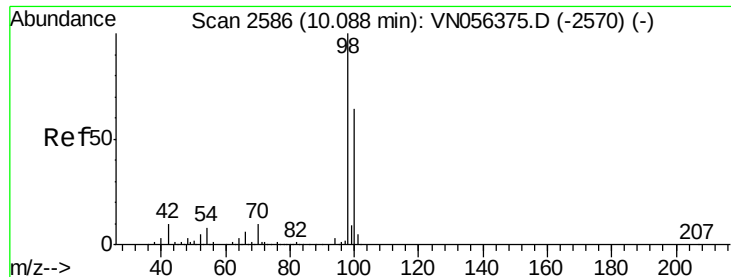
#43
Isopropyl Acetate
Concen: 0.620 ug/l
RT: 8.29 min Scan# 2026
Delta R.T. 0.12 min
Lab File: VN056379.D
Acq: 19 Jun 2019 12:12

Tgt Ion: 43 Resp: 5179
Ion Ratio Lower Upper
43 100
61 0.0 22.0 33.0#
87 0.0 11.0 16.4#



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





#50

Toluene-d8

Concen: 51.032 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056379.D

Acq: 19 Jun 2019 12:12

Instrument :

MSVOA_N

ClientSampled :

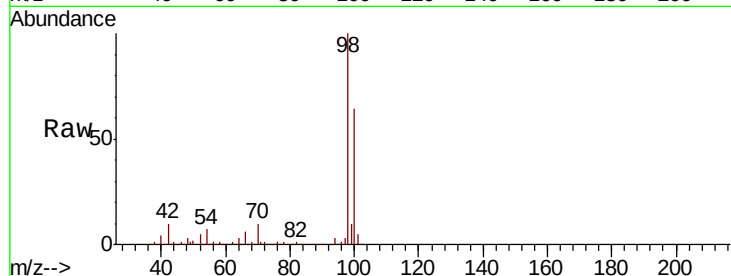
VN0619WBL01

Tot Ion: 98 Resp: 776151

Ion Ratio Lower Upper

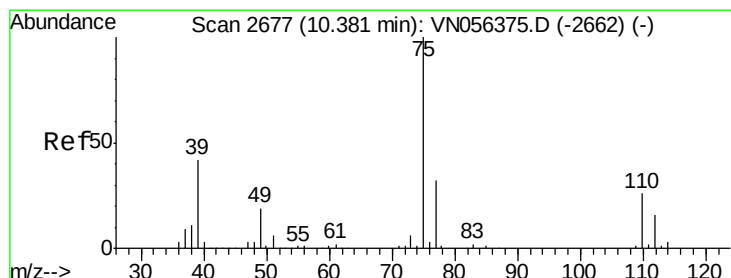
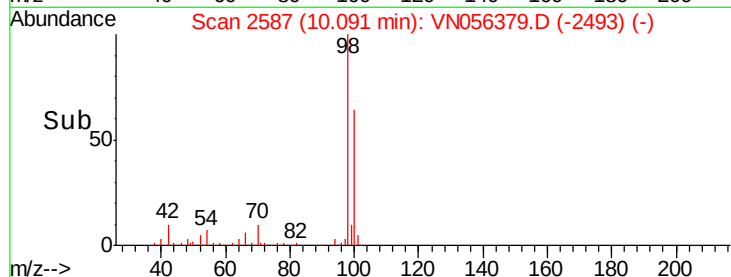
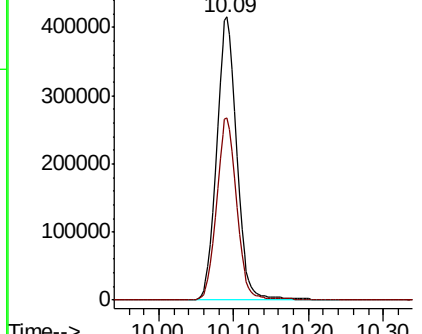
98 100

100 64.3 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#53

t-1,3-Dichloropropene

Concen: 2.901 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.29 min

Lab File: VN056379.D

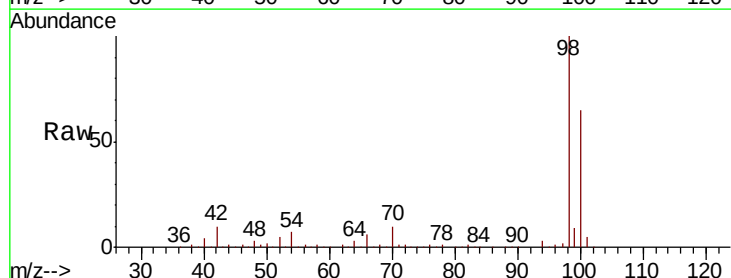
Acq: 19 Jun 2019 12:12

Tgt Ion: 75 Resp: 61

Ion Ratio Lower Upper

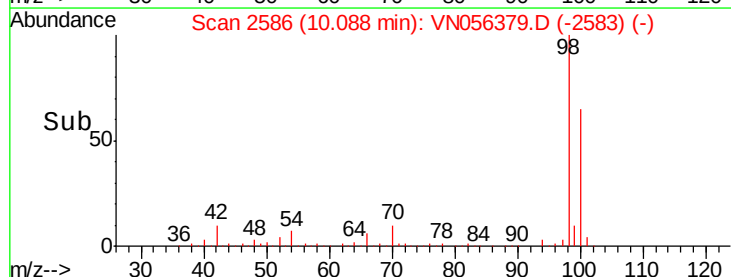
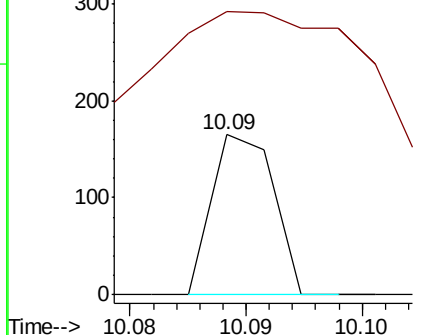
75 100

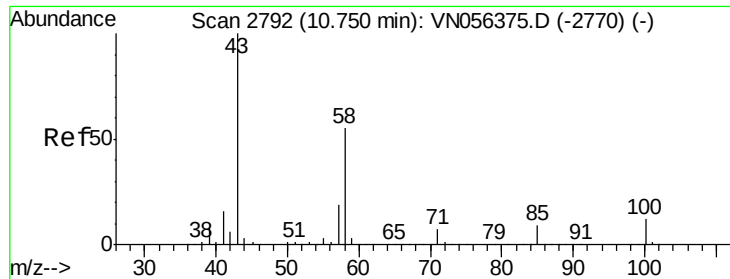
77 13.3 25.4 38.2#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

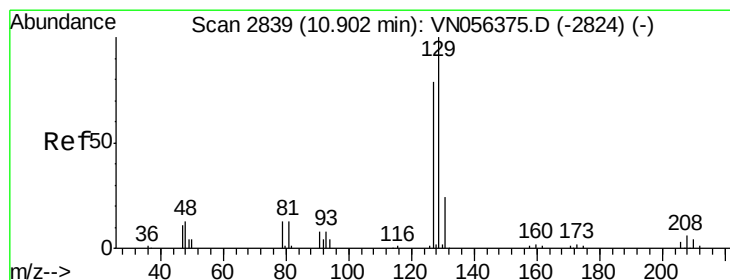
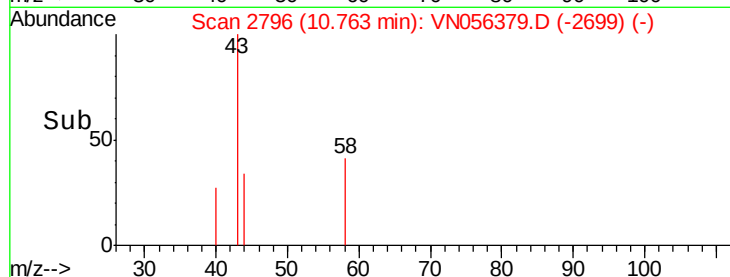
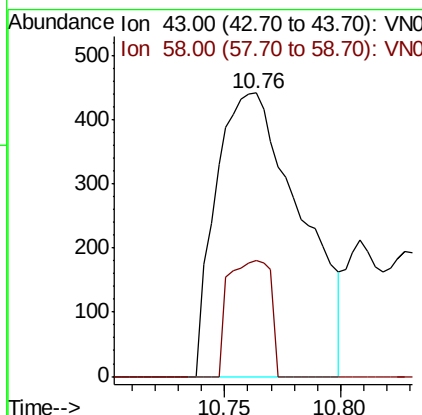
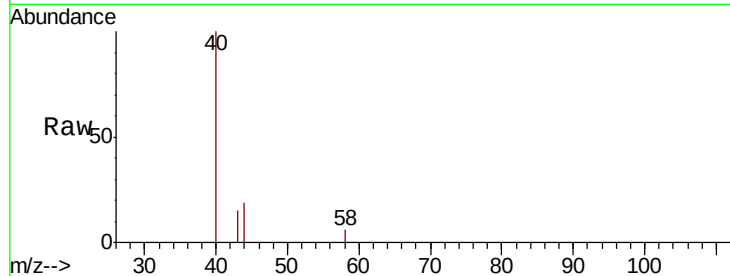




#59
2-Hexanone
Concen: 0.282 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN056379.D
Acq: 19 Jun 2019 12:12

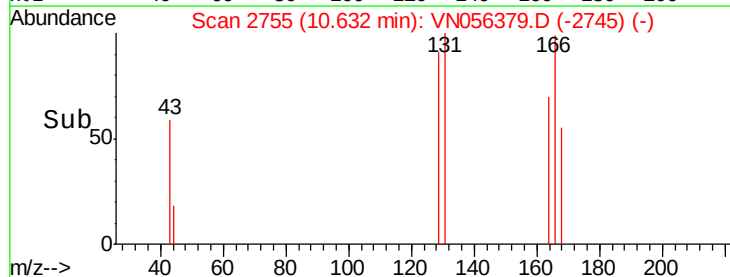
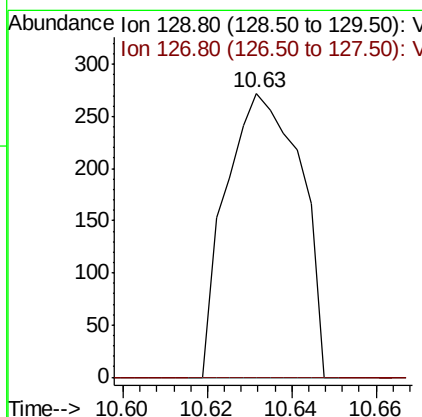
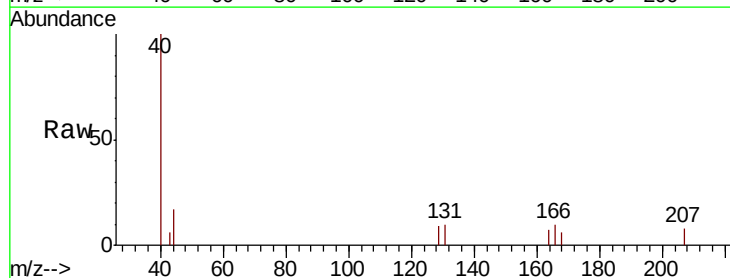
Instrument :
MSVOA_N
ClientSampled :
VN0619WBL01

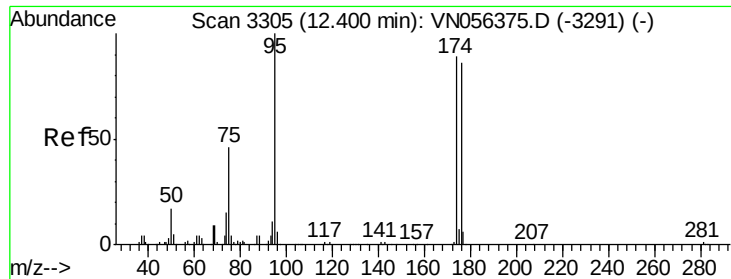
Tot Ion: 43 Resp: 1119
Ion Ratio Lower Upper
43 100
58 20.5 27.8 83.4#



#60
Dibromochloromethane
Concen: 2.456 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.27 min
Lab File: VN056379.D
Acq: 19 Jun 2019 12:12

Tgt Ion: 129 Resp: 334
Ion Ratio Lower Upper
129 100
127 0.0 38.9 116.7#





#62

4-Bromofluorobenzene

Concen: 49.798 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056379.D

Acq: 19 Jun 2019 12:12

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBL01

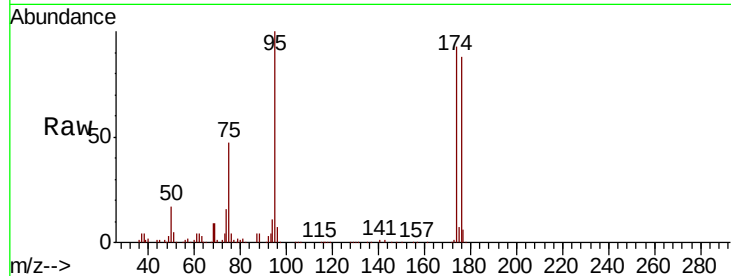
Tot Ion: 95 Resp: 252483

Ion Ratio Lower Upper

95 100

174 91.6 0.0 179.4

176 87.8 0.0 173.4



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0

12.40

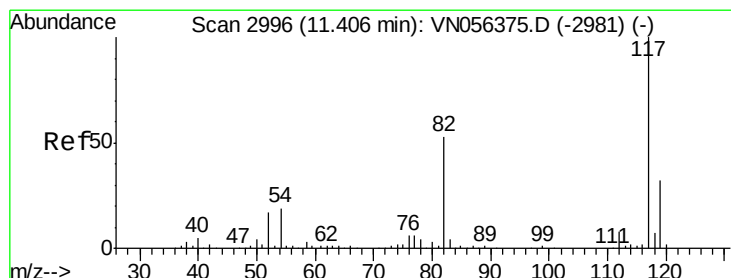
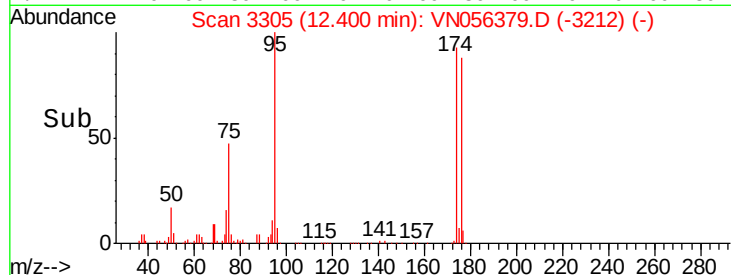
150000

100000

50000

0

Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN056379.D

Acq: 19 Jun 2019 12:12

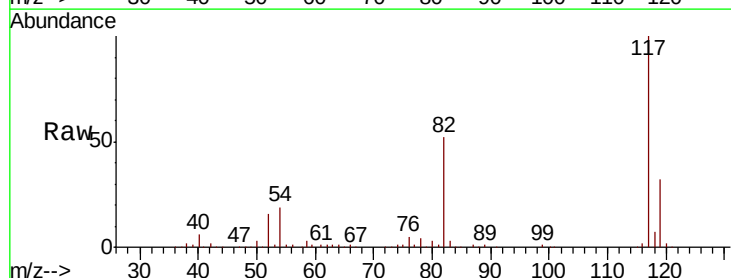
Tgt Ion: 117 Resp: 624105

Ion Ratio Lower Upper

117 100

82 51.7 42.0 63.0

119 32.1 25.3 37.9



Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0

11.41

400000

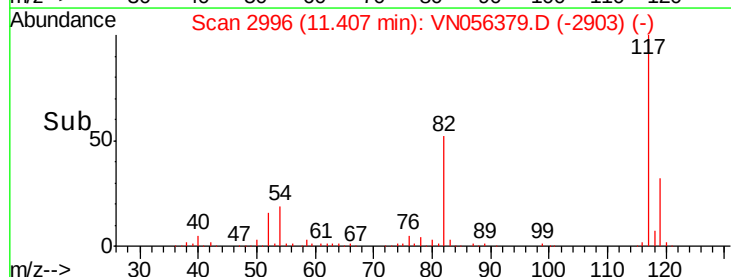
300000

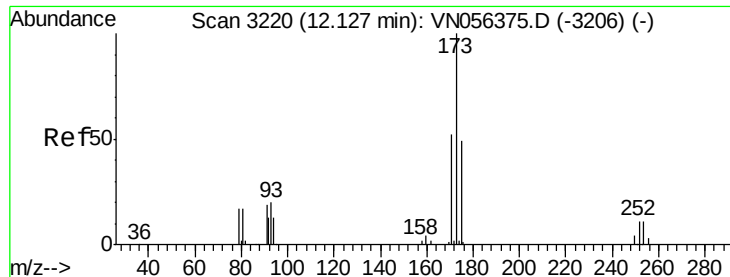
200000

100000

0

Time--> 11.30 11.40 11.50





#71

Bromoform

Concen: 3.649 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.27 min

Lab File: VN056379.D

Acq: 19 Jun 2019 12:12

Instrument :

MSVOA_N

ClientSampled :

VN0619WBL01

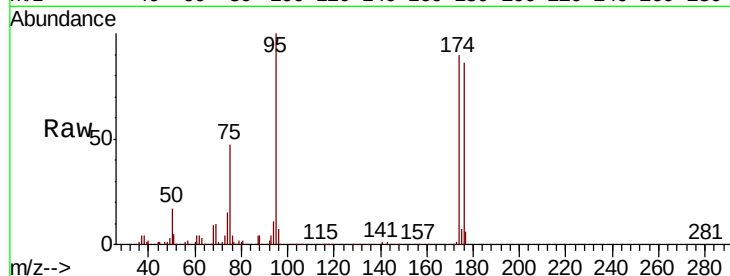
Tot Ion:173 Resp: 1848

Ion Ratio Lower Upper

173 100

175 811.4 24.4 73.4#

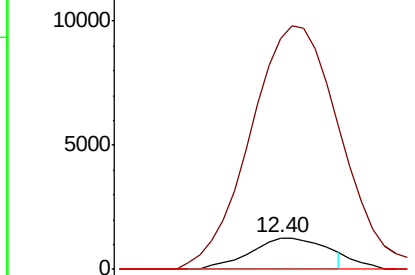
254 0.0 0.0 0.0



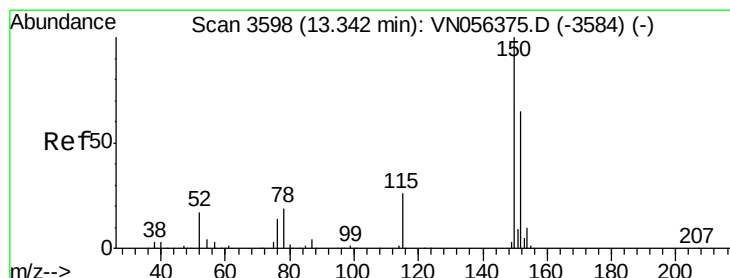
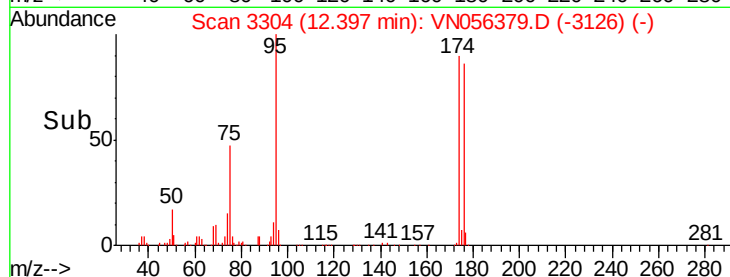
Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN056379.D

Acq: 19 Jun 2019 12:12

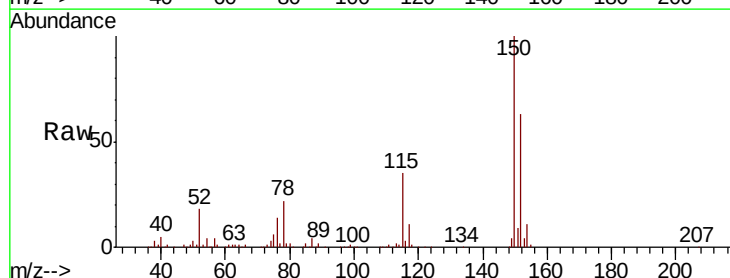
Tgt Ion:152 Resp: 187969

Ion Ratio Lower Upper

152 100

115 55.9 28.1 84.4

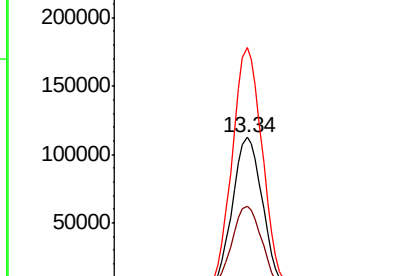
150 157.8 0.0 348.4



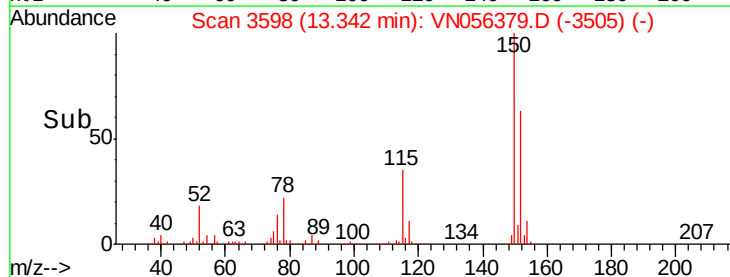
Abundance Ion 151.90 (151.60 to 152.60): V

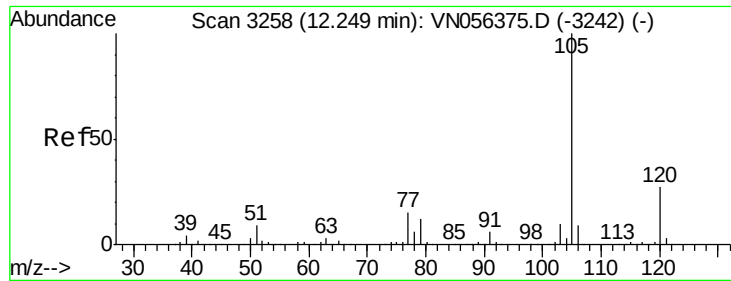
Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



Time-->





#73

Isopropylbenzene

Concen: Below Cal

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN056379.D

Acq: 19 Jun 2019 12:12

Instrument :

MSVOA_N

ClientSampleId :

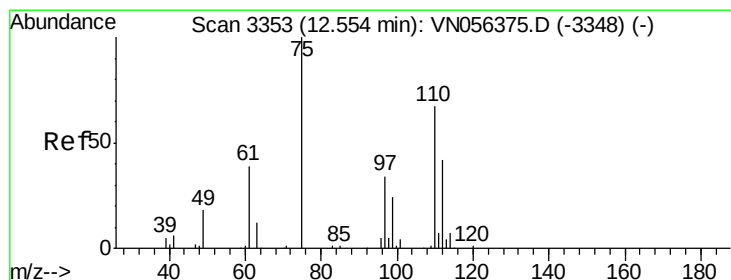
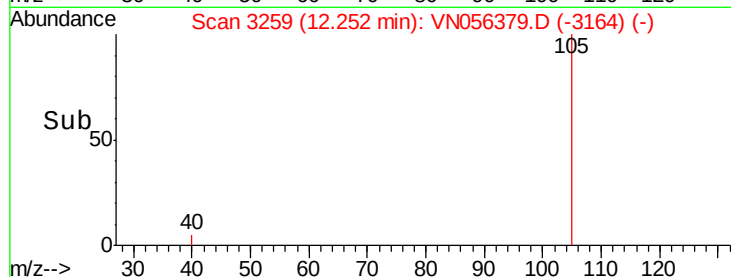
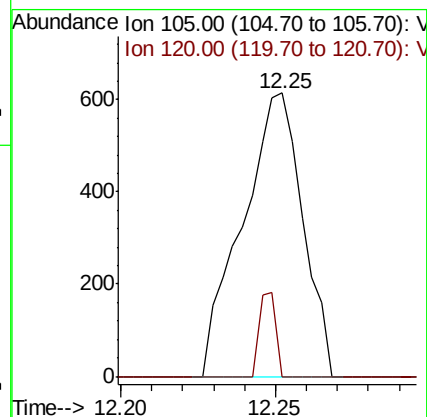
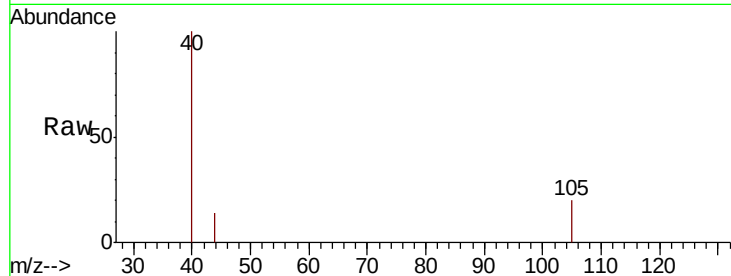
VN0619WBL01

Tot Ion:105 Resp: 835

Ion Ratio Lower Upper

105 100

120 8.3 13.4 40.2#



#76

1,2,3-Trichloropropane

Concen: 30.310 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056379.D

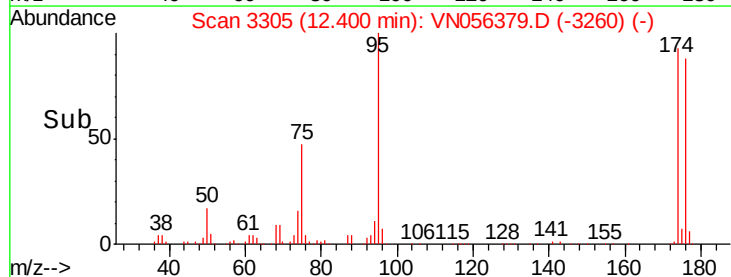
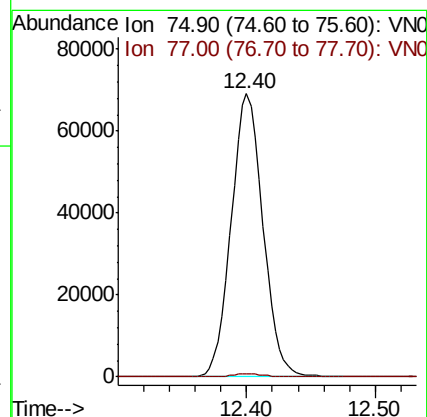
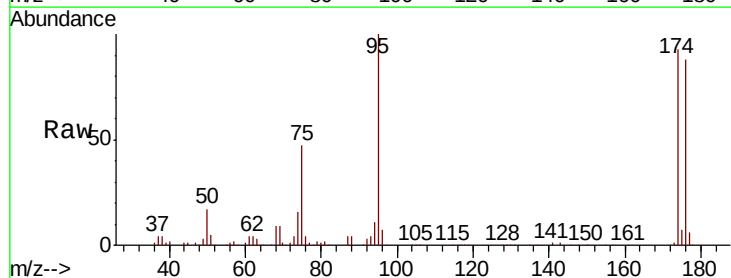
Acq: 19 Jun 2019 12:12

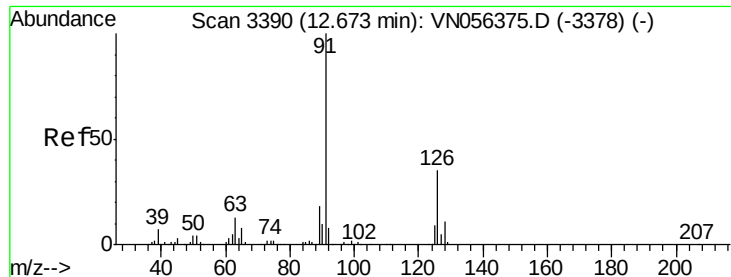
Tgt Ion: 75 Resp: 118137

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.68 min Scan# 3392

Delta R.T. 0.01 min

Lab File: VN056379.D

Acq: 19 Jun 2019 12:12

Instrument :

MSVOA_N

ClientSampled :

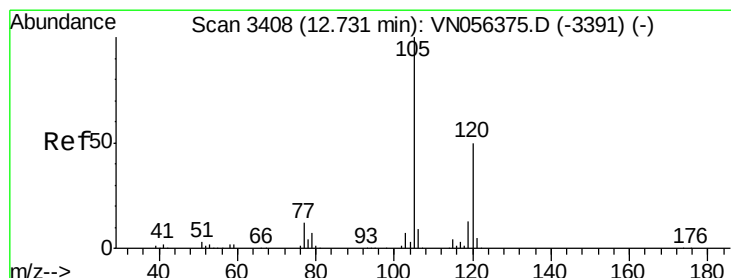
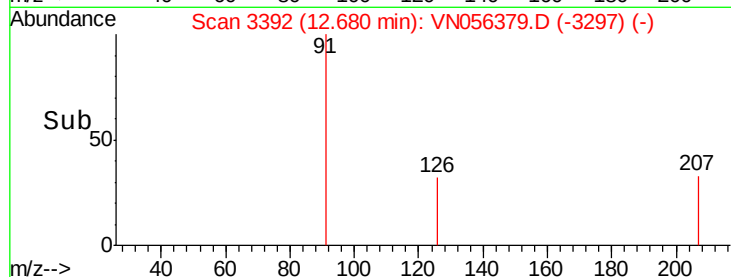
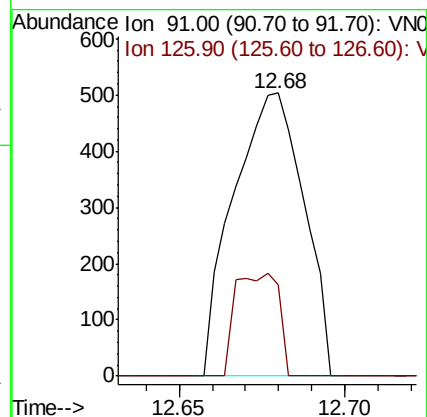
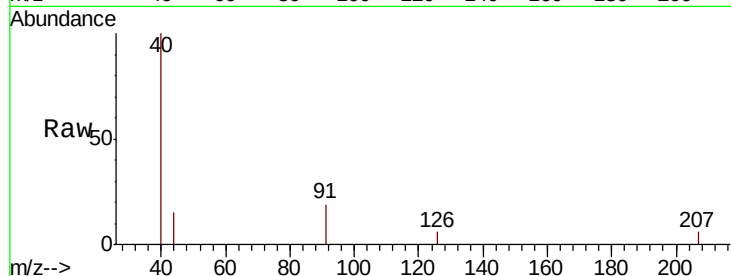
VN0619WBL01

Tot Ion: 91 Resp: 743

Ion Ratio Lower Upper

91 100

126 22.3 17.6 52.8



#80

1,3,5-Trimethylbenzene

Concen: Below Cal

RT: 12.74 min Scan# 3410

Delta R.T. 0.01 min

Lab File: VN056379.D

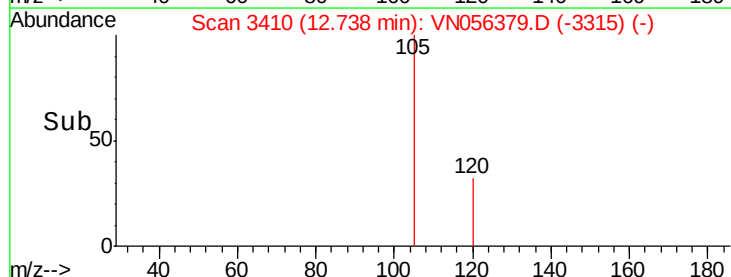
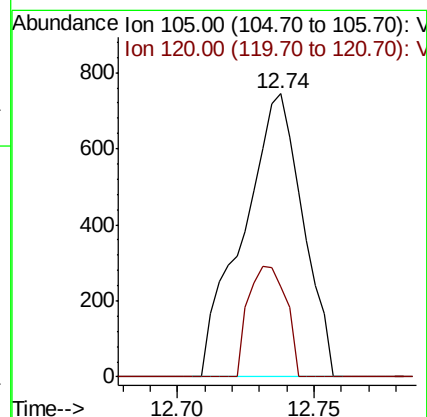
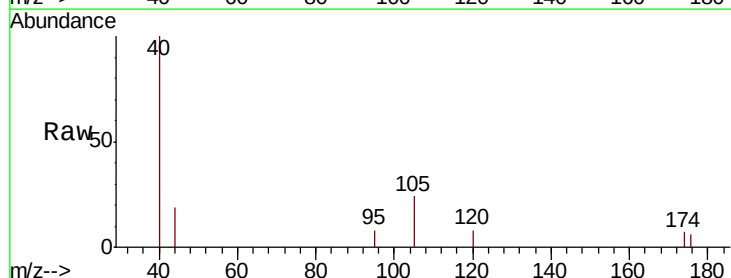
Acq: 19 Jun 2019 12:12

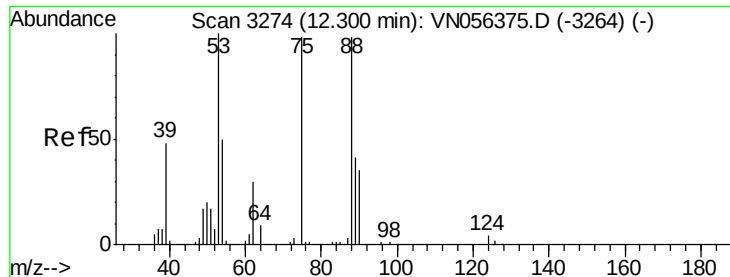
Tgt Ion: 105 Resp: 1128

Ion Ratio Lower Upper

105 100

120 24.5 24.8 74.4#





#81

trans-1,4-Dichloro-2-butene

Concen: 107.728 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056379.D

Acq: 19 Jun 2019 12:12

Instrument :

MSVOA_N

ClientSampled :

VN0619WBL01

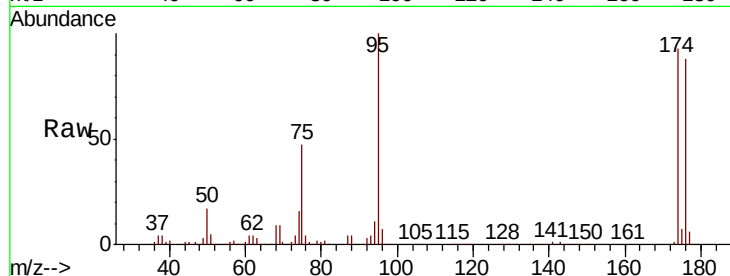
Tot Ion: 75 Resp: 118137

Ion Ratio Lower Upper

75 100

53 0.0 83.9 125.9#

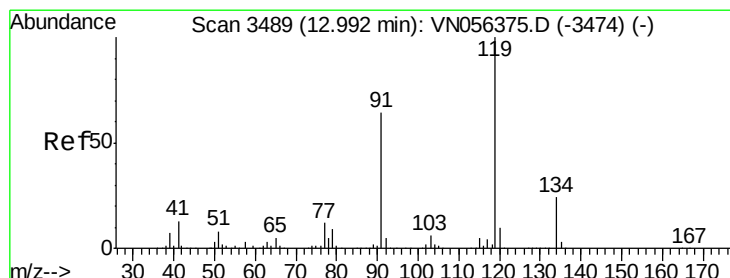
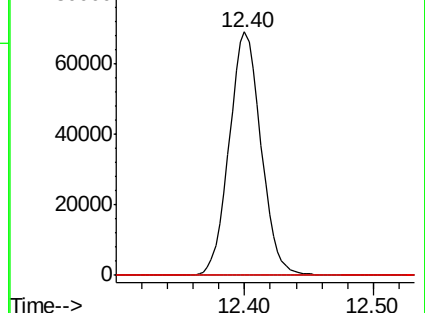
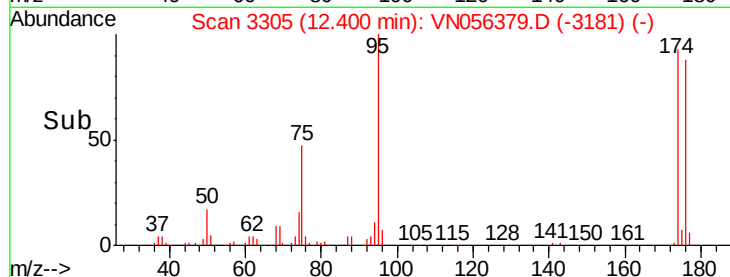
89 0.0 35.0 52.6#



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: VN056379.D

Acq: 19 Jun 2019 12:12

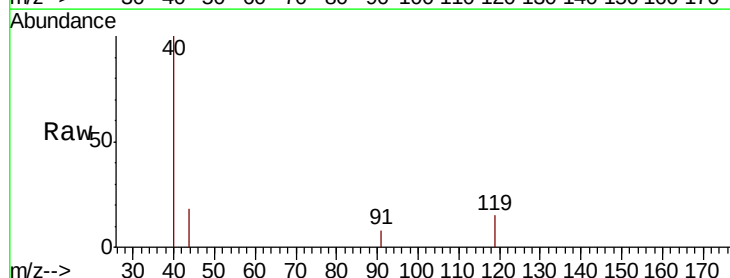
Tgt Ion: 119 Resp: 724

Ion Ratio Lower Upper

119 100

91 64.2 31.6 94.7

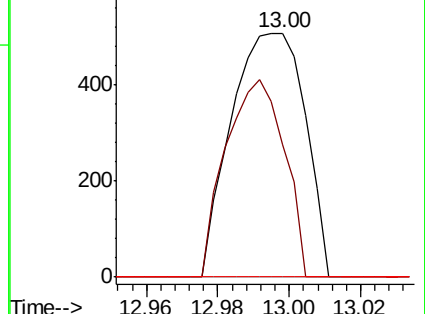
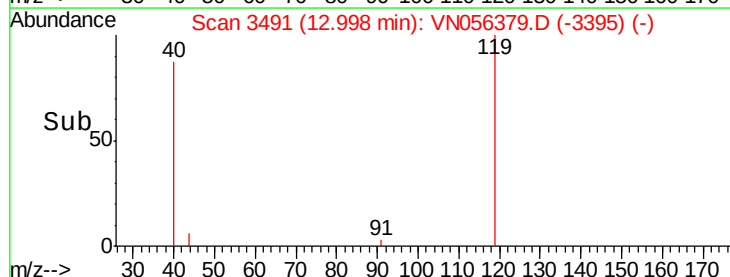
134 0.0 13.2 39.5#

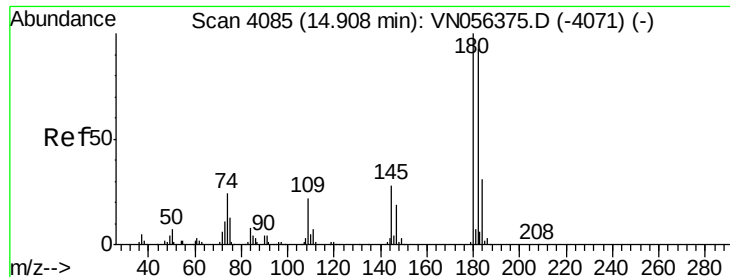


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN0

Ion 134.00 (133.70 to 134.70): V

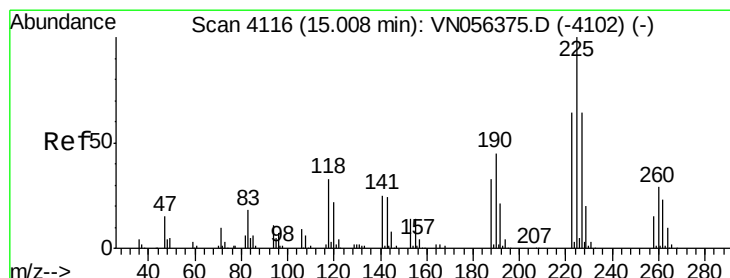
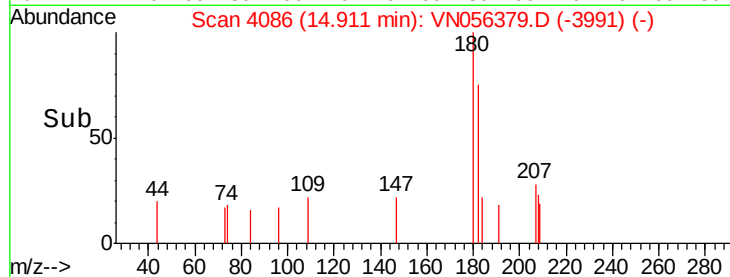
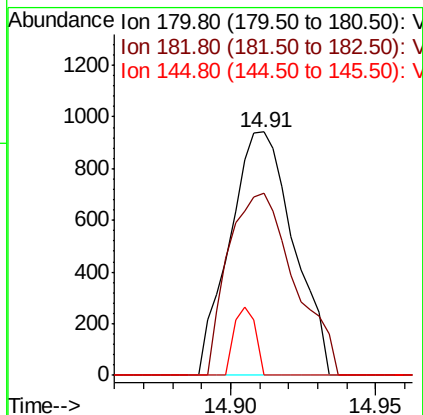
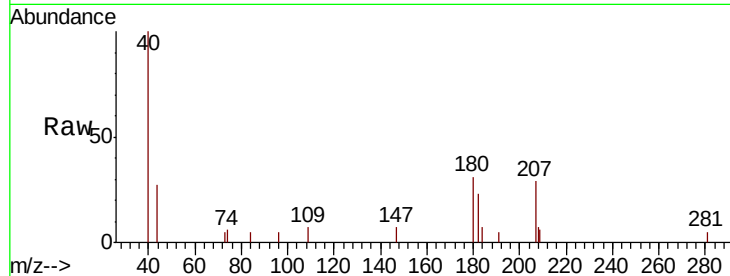




#93
 1,2,4-Trichlorobenzene
 Concen: 6.001 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN056379.D
 Acq: 19 Jun 2019 12:12

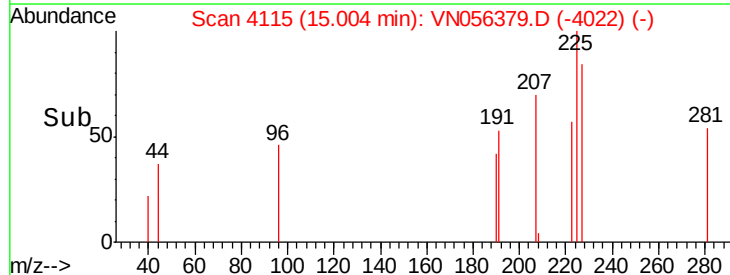
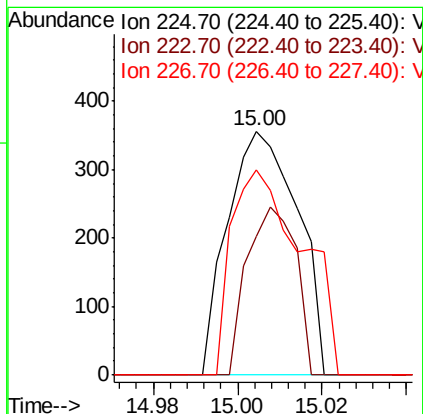
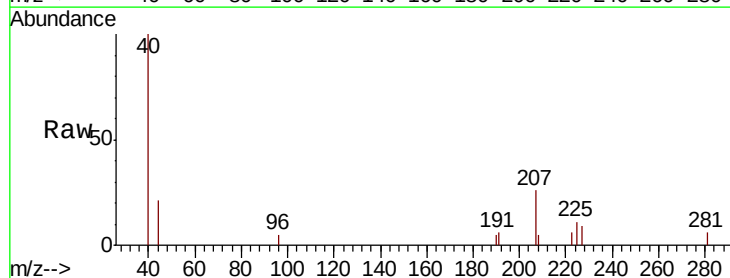
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBL01

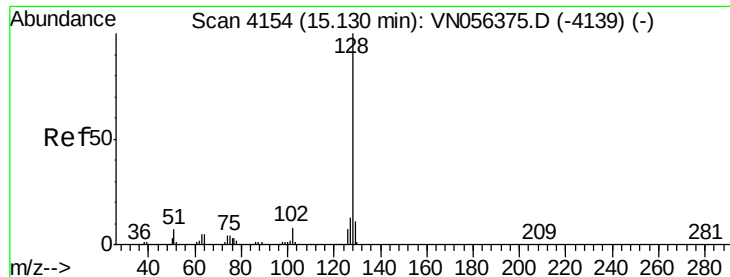
Tot Ion:180 Resp: 1436
 Ion Ratio Lower Upper
 180 100
 182 77.9 46.9 140.6
 145 9.3 14.4 43.0#



#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.00 min Scan# 4115
 Delta R.T. -0.00 min
 Lab File: VN056379.D
 Acq: 19 Jun 2019 12:12

Tgt Ion:225 Resp: 411
 Ion Ratio Lower Upper
 225 100
 223 47.9 31.4 94.3
 227 84.9 32.1 96.3





#95

Naphthalene

Concen: 5.575 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.01 min

Lab File: VN056379.D

Acq: 19 Jun 2019 12:12

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBL01

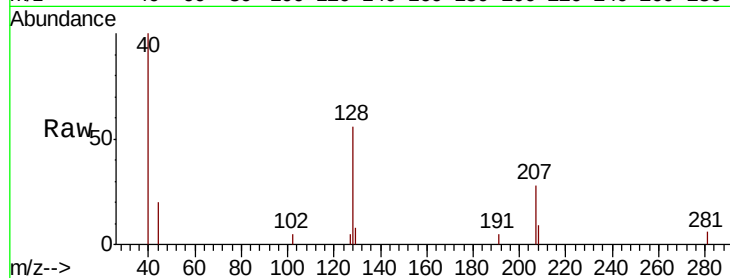
Tot Ion:128 Resp: 3173

Ion Ratio Lower Upper

128 100

127 7.5 10.2 15.2#

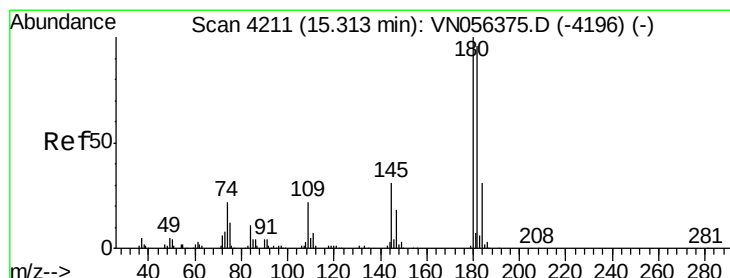
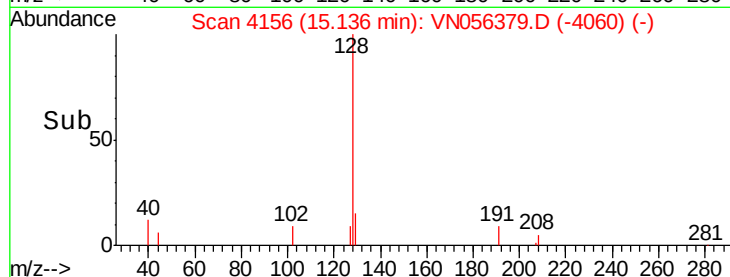
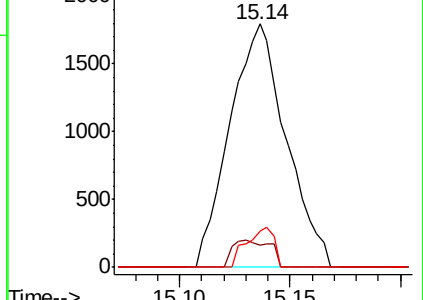
129 8.0 8.6 12.8#



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: 4.930 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN056379.D

Acq: 19 Jun 2019 12:12

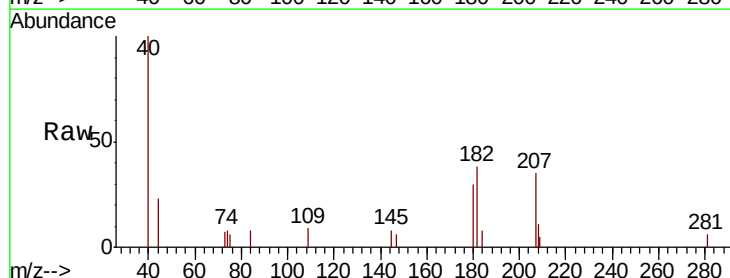
Tgt Ion:180 Resp: 1682

Ion Ratio Lower Upper

180 100

182 100.5 48.3 144.8

145 15.6 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

