

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062619\
 Data File : VN056502.D
 Acq On : 26 Jun 2019 13:37
 Operator : JC/SP
 Sample : K3539-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 27 07:38:31 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	347151	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	589442	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	566328	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	148731	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	202164	52.54	ug/l	0.00
Spiked Amount						
			Recovery	=	105.08%	
35) Dibromofluoromethane	7.59	113	172142	46.81	ug/l	0.00
Spiked Amount						
			Recovery	=	93.62%	
50) Toluene-d8	10.09	98	724172	50.61	ug/l	0.00
Spiked Amount						
			Recovery	=	101.22%	
62) 4-Bromofluorobenzene	12.40	95	217381	45.58	ug/l	0.00
Spiked Amount						
			Recovery	=	91.16%	

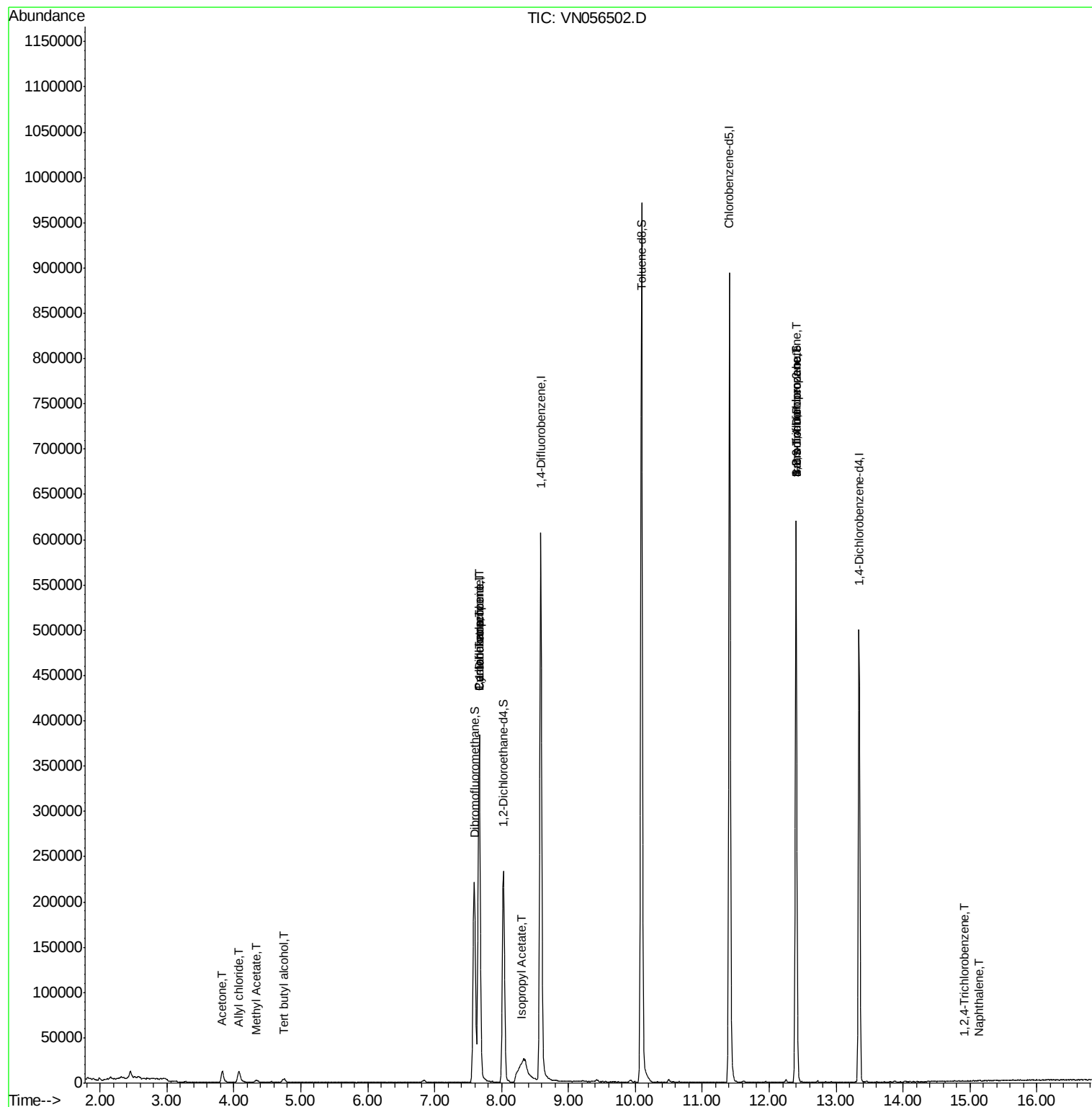
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.74	59	2243	3.461	ug/l #	74
14) Allyl chloride	4.08	41	2155	0.422	ug/l #	61
16) Acetone	3.83	43	6876	3.567	ug/l	94
18) Methyl Acetate	4.34	43	6194	0.787	ug/l #	84
20) Methylene Chloride	4.55	84	471	Below Cal	#	37
31) Cyclohexane	7.66	56	5480	0.922	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	22115	4.263	ug/l #	48
38) Carbon Tetrachloride	7.67	117	30038	6.621	ug/l #	14
43) Isopropyl Acetate	8.29	43	31615	4.021	ug/l #	54
71) Bromoform	12.40	173	1634	3.636	ug/l #	1
73) Isopropylbenzene	12.25	105	2741	Below Cal		99
76) 1,2,3-Trichloropropane	12.40	75	102960	33.386	ug/l #	100
79) 2-Chlorotoluene	12.59	91	143	Below Cal	#	40
80) 1,3,5-Trimethylbenzene	12.73	105	94	Below Cal	#	28
81) trans-1,4-Dichloro-2-buten	12.40	75	102960	118.657	ug/l #	8
93) 1,2,4-Trichlorobenzene	14.91	180	69	5.638	ug/l #	13
95) Naphthalene	15.14	128	314	5.286	ug/l #	70

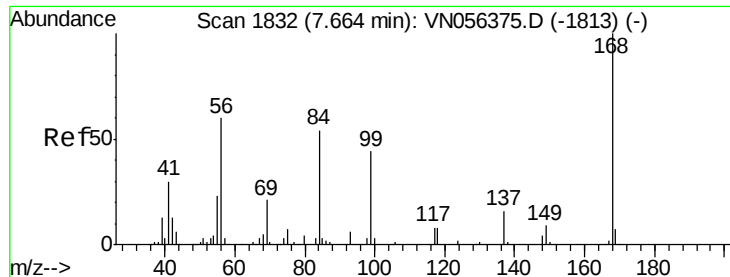
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN062619\
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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: VN056502.D

Acq: 26 Jun 2019 13:37

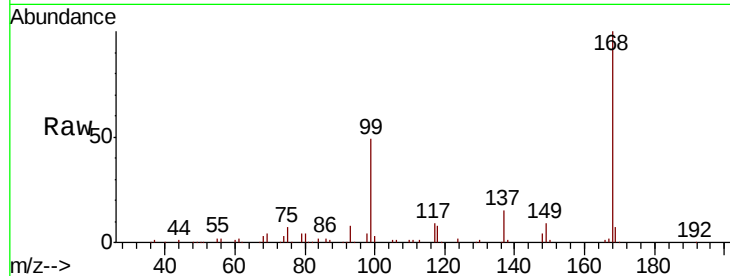
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 347151

Ion Ratio Lower Upper

168 100

99 48.6 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

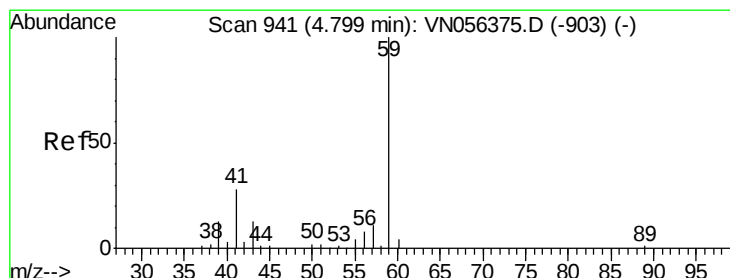
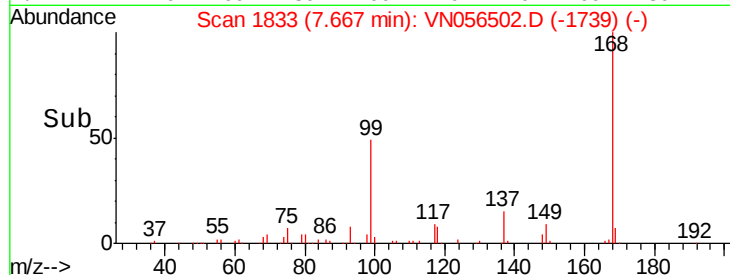
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 3.461 ug/l

RT: 4.74 min Scan# 923

Delta R.T. -0.06 min

Lab File: VN056502.D

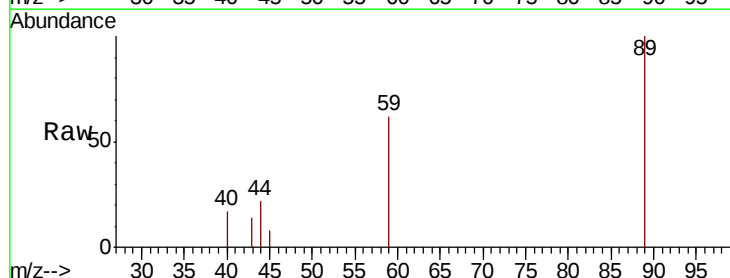
Acq: 26 Jun 2019 13:37

Tgt Ion: 59 Resp: 2243

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

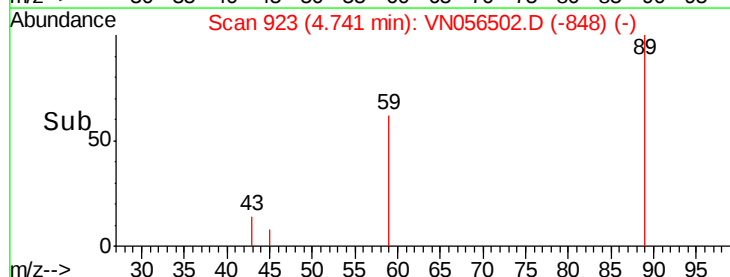
4.74

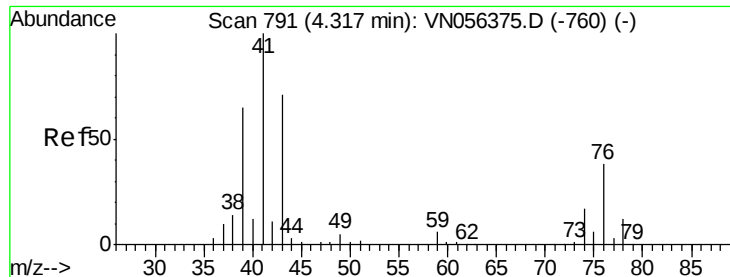
1000

500

0

Time-->

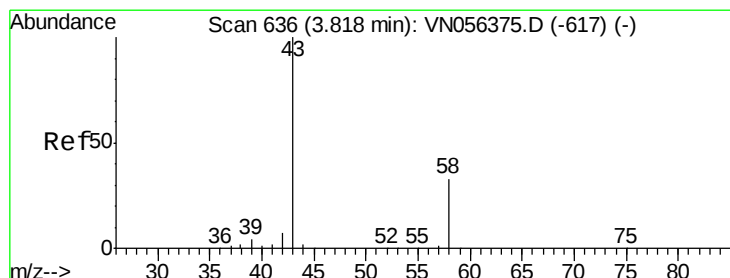
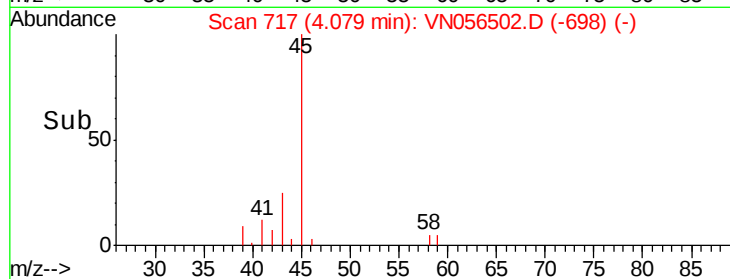
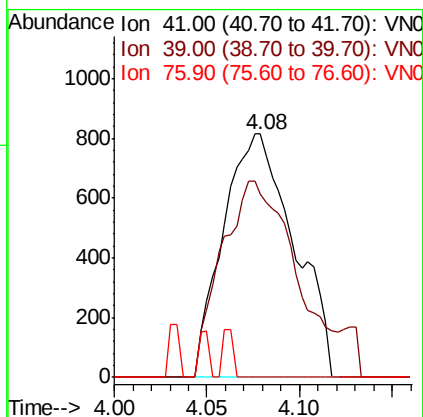
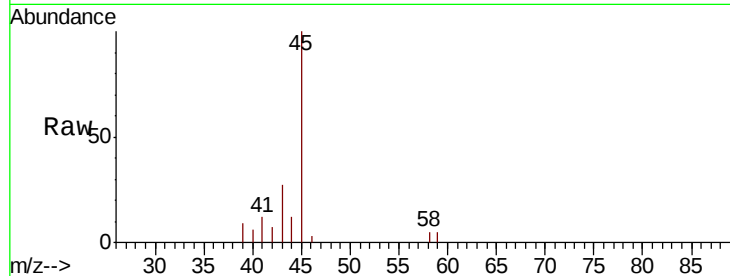




#14
Allvl chloride
Concen: 0.422 ug/l
RT: 4.08 min Scan# 717
Delta R.T. -0.24 min
Lab File: VN056502.D
Acq: 26 Jun 2019 13:37

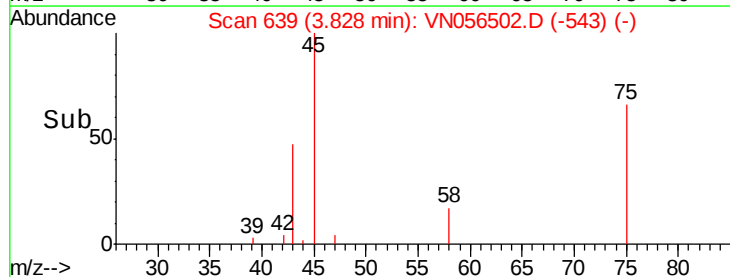
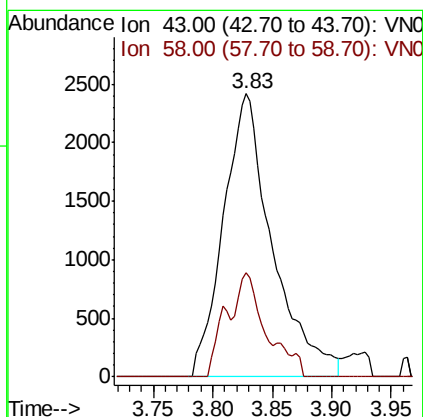
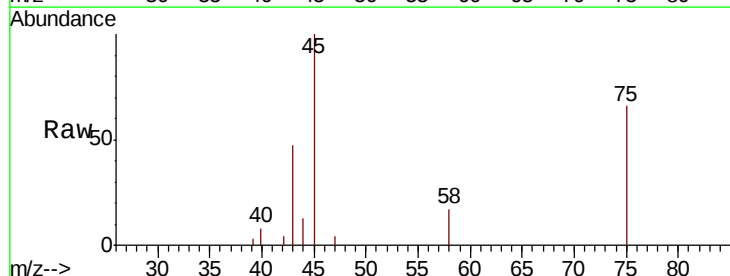
Instrument :
MSVOA_N
ClientSampled :

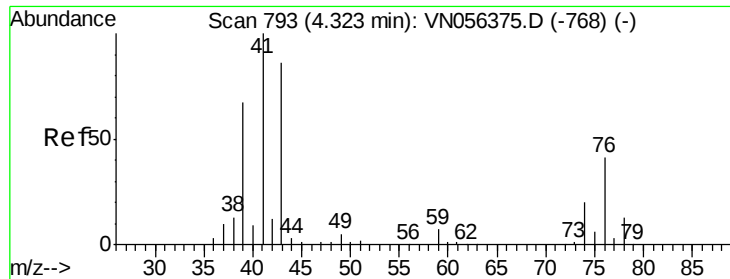
Tot Ion: 41 Resp: 2155
Ion Ratio Lower Upper
41 100
39 84.9 48.6 73.0#
76 2.9 26.6 40.0#



#16
Acetone
Concen: 3.567 ug/l
RT: 3.83 min Scan# 639
Delta R.T. 0.01 min
Lab File: VN056502.D
Acq: 26 Jun 2019 13:37

Tgt Ion: 43 Resp: 6876
Ion Ratio Lower Upper
43 100
58 36.7 26.4 39.6

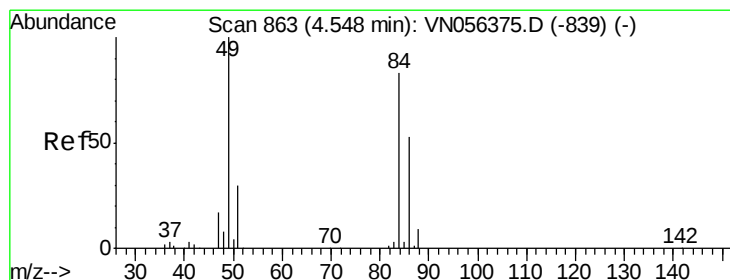
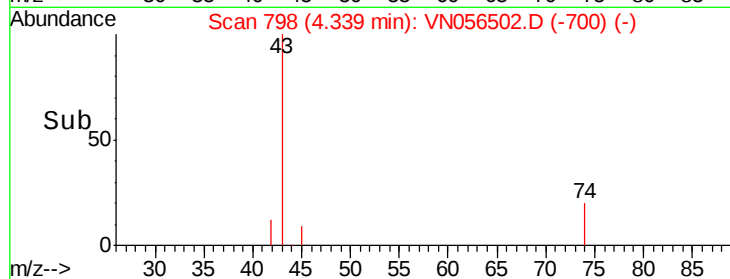
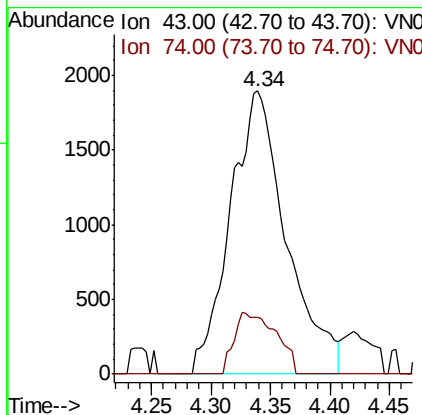
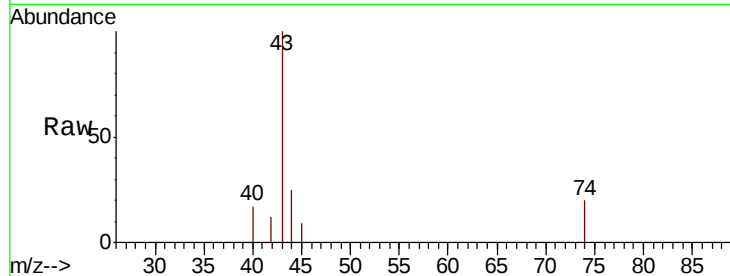




#18
Methyl Acetate
Concen: 0.787 ug/l
RT: 4.34 min Scan# 798
Delta R.T. 0.02 min
Lab File: VN056502.D
Acq: 26 Jun 2019 13:37

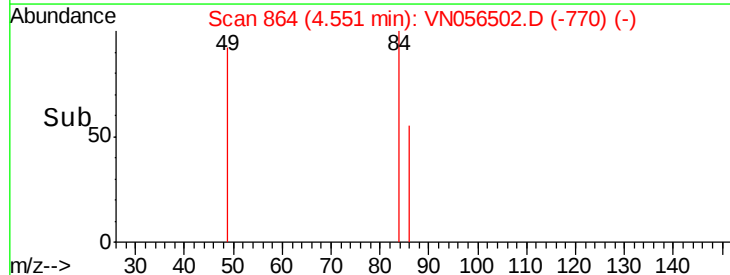
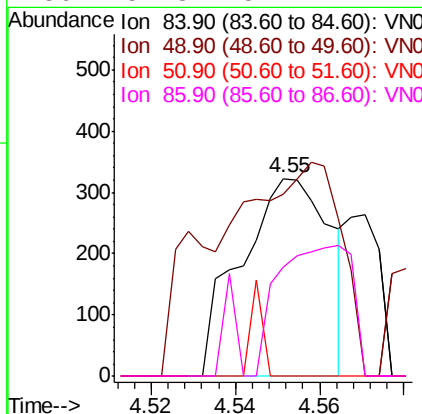
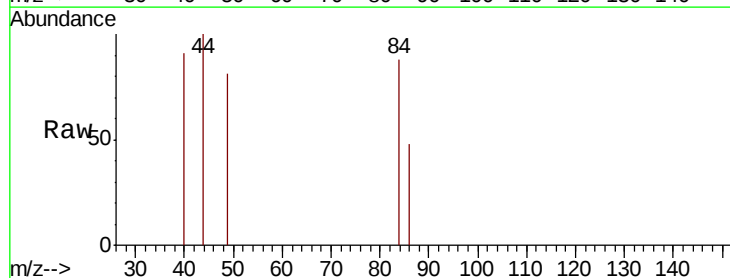
Instrument :
MSVOA_N
ClientSampled :

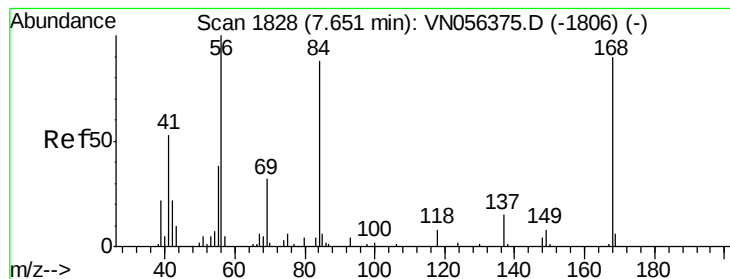
Tot Ion: 43 Resp: 6194
Ion Ratio Lower Upper
43 100
74 16.2 19.2 28.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN056502.D
Acq: 26 Jun 2019 13:37

Tgt Ion: 84 Resp: 471
Ion Ratio Lower Upper
84 100
49 18.6 96.4 144.6#
51 0.0 28.6 43.0#
86 54.8 51.4 77.2





#31

Cyclohexane

Concen: 0.922 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN056502.D

Acq: 26 Jun 2019 13:37

Instrument :

MSVOA_N

ClientSampled :

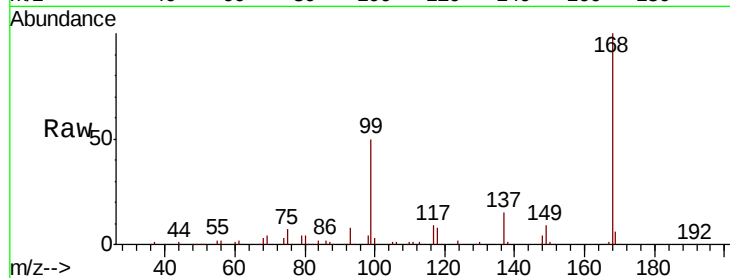
Tot Ion: 56 Resp: 5480

Ion Ratio Lower Upper

56 100

69 207.9 25.8 38.6#

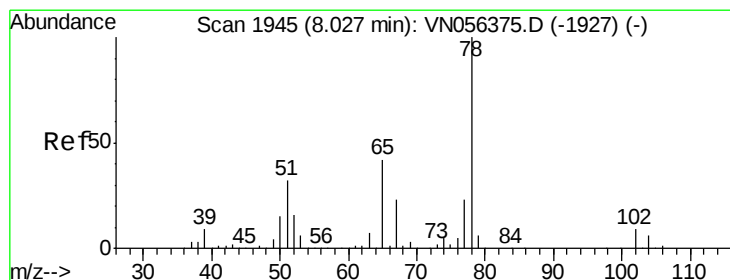
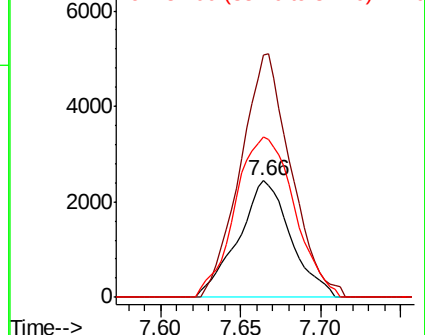
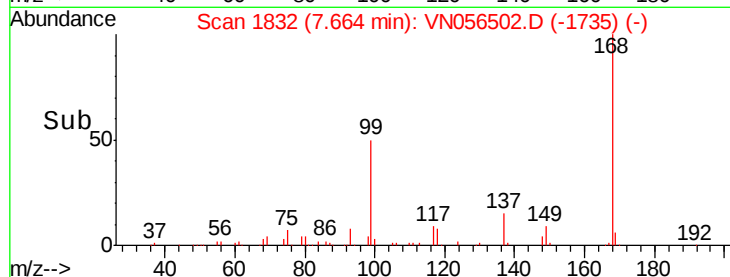
84 137.5 69.4 104.0#



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: 52.544 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN056502.D

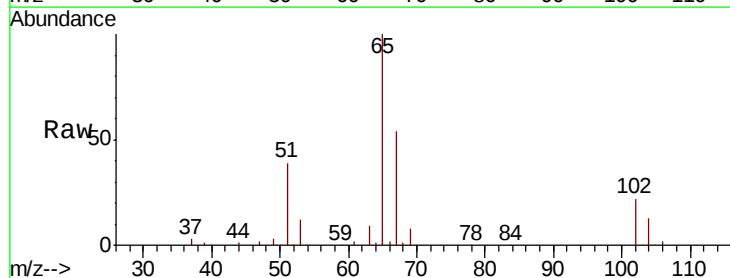
Acq: 26 Jun 2019 13:37

Tgt Ion: 65 Resp: 202164

Ion Ratio Lower Upper

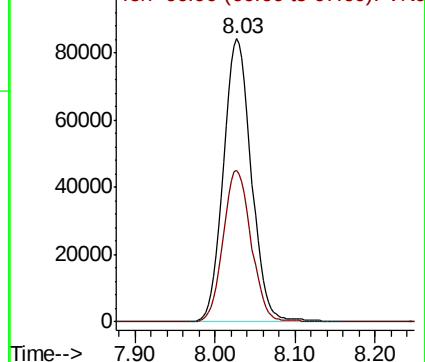
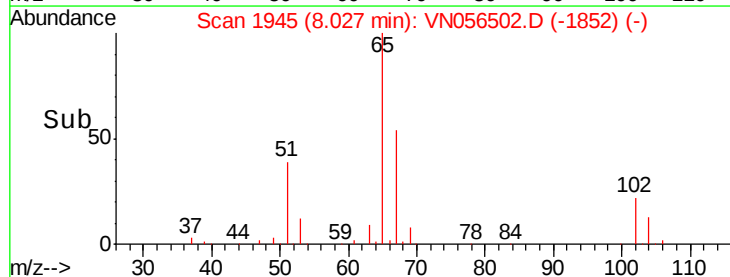
65 100

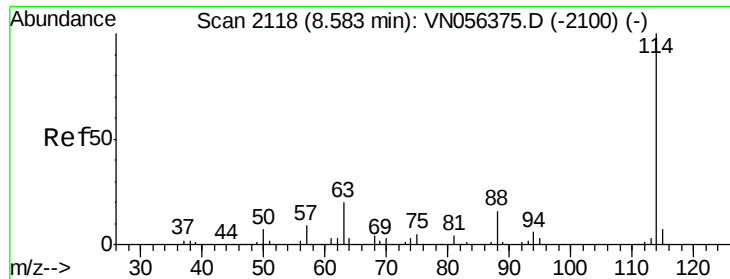
67 53.6 0.0 109.0



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

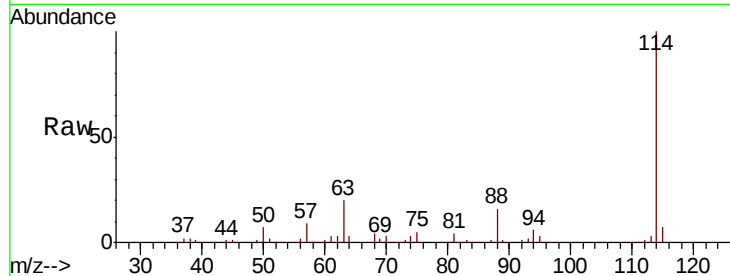




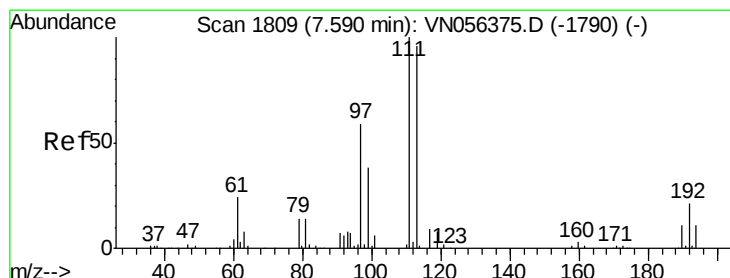
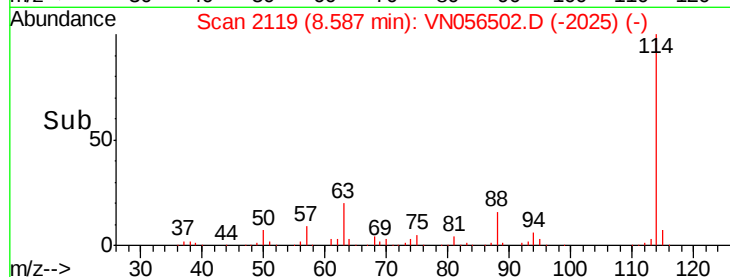
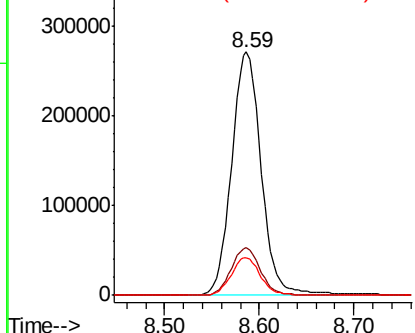
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VN056502.D
Acq: 26 Jun 2019 13:37

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:114 Resp: 589442
Ion Ratio Lower Upper
114 100
63 19.5 0.0 39.2
88 15.6 0.0 31.4

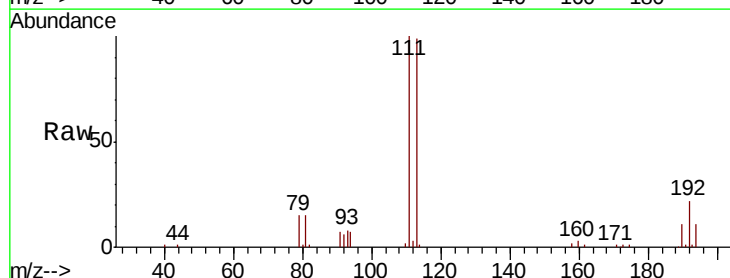


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

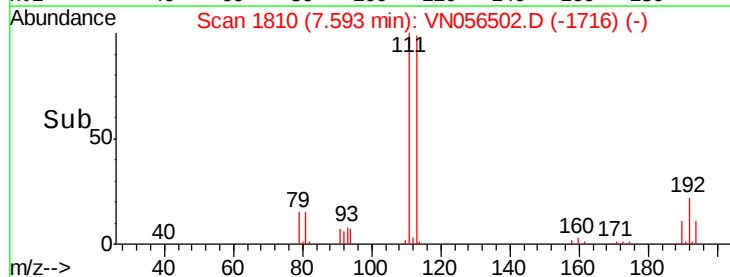
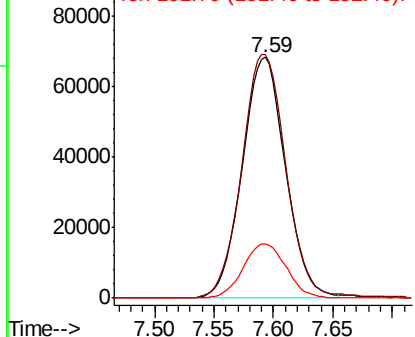


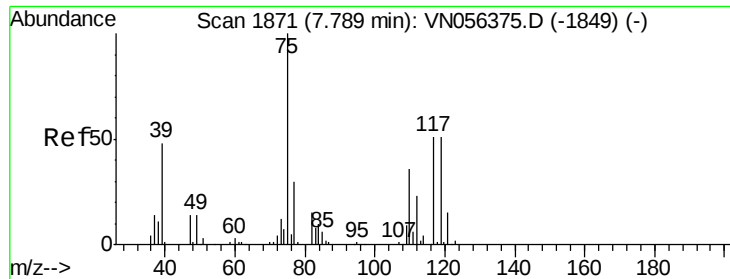
#35
Dibromofluoromethane
Concen: 46.814 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN056502.D
Acq: 26 Jun 2019 13:37

Tgt Ion:113 Resp: 172142
Ion Ratio Lower Upper
113 100
111 103.3 82.9 124.3
192 22.6 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

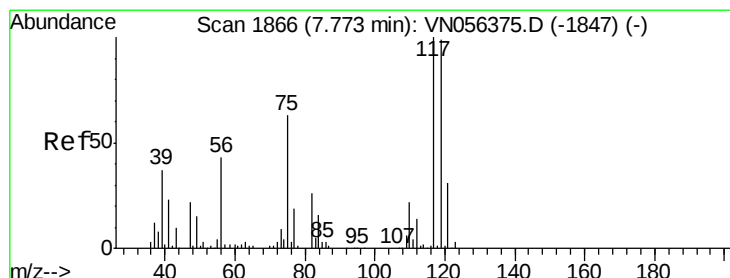
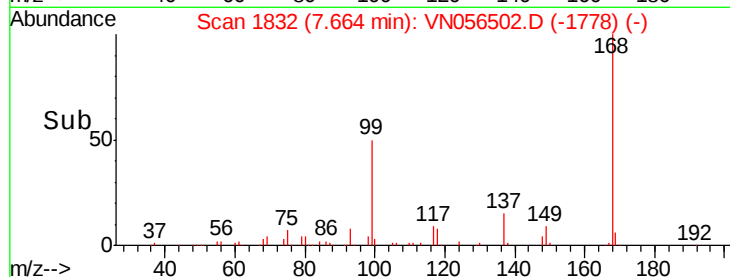
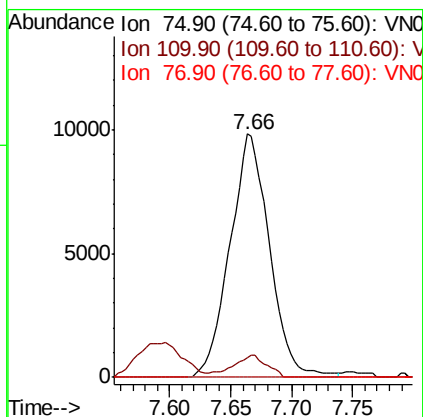
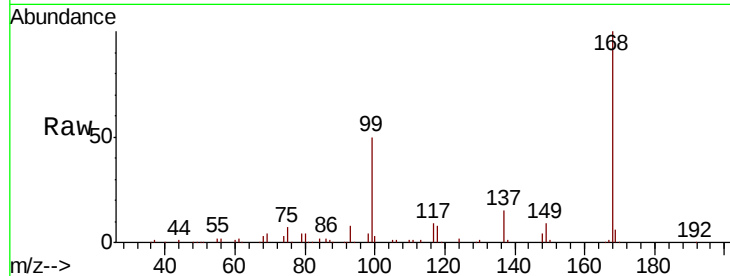




#36
 1,1-Dichloropropene
 Concen: 4.263 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN056502.D
 Acq: 26 Jun 2019 13:37

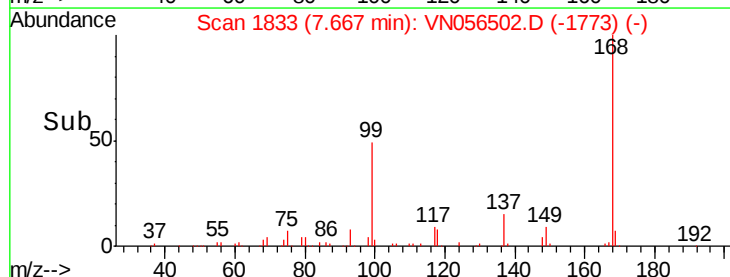
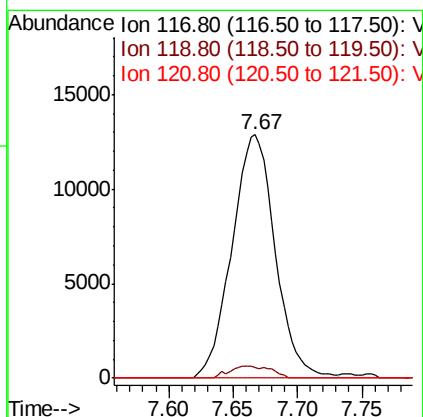
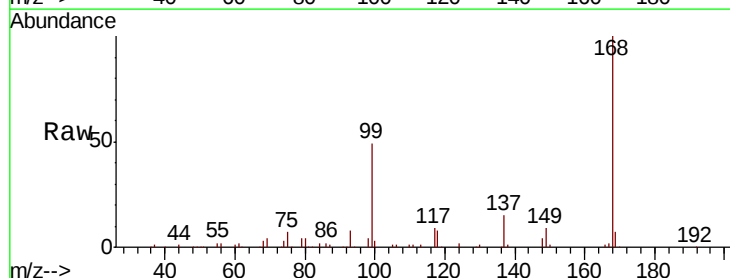
Instrument :
 MSVOA_N
 ClientSampled :

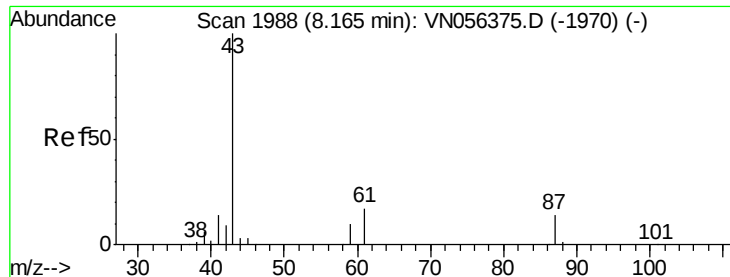
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.7	18.1	54.3#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.621 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN056502.D
 Acq: 26 Jun 2019 13:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.3	79.1	118.7#
121	0.0	24.8	37.2#





#43

Isopropyl Acetate

Concen: 4.021 ug/l

RT: 8.29 min Scan# 2028

Delta R.T. 0.13 min

Lab File: VN056502.D

Acq: 26 Jun 2019 13:37

Instrument :

MSVOA_N

ClientSampleId :

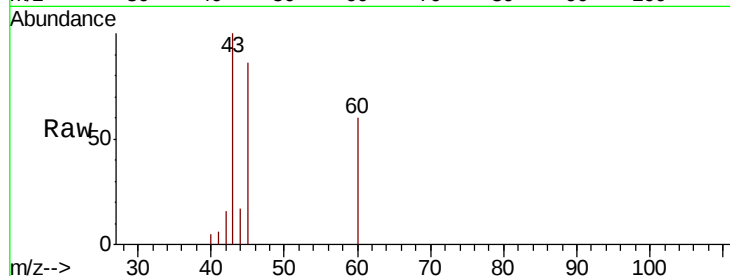
Tot Ion: 43 Resp: 31615

Ion Ratio Lower Upper

43 100

61 0.0 22.0 33.0#

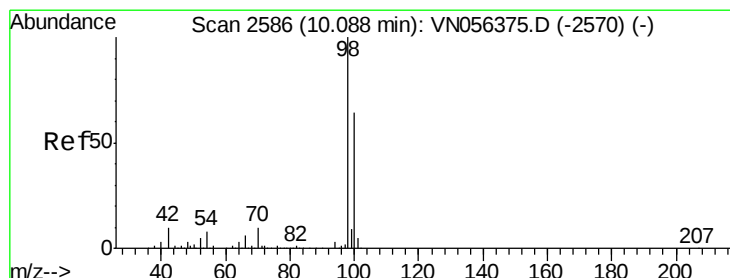
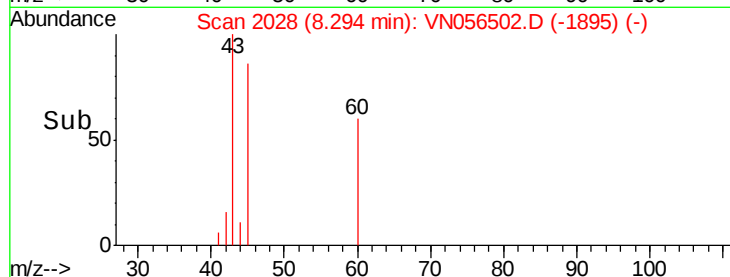
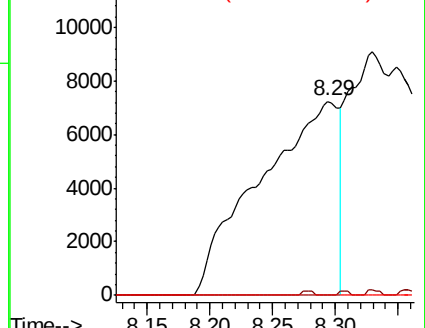
87 0.0 11.0 16.4#



Abundance Ion 43.00 (42.70 to 43.70): VN056375.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN056375.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN056375.D (-1970) (-)



#50

Toluene-d8

Concen: 50.613 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056502.D

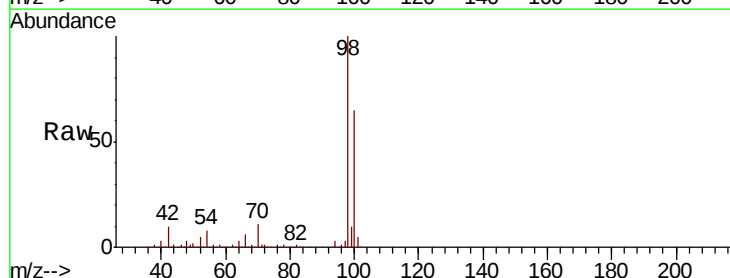
Acq: 26 Jun 2019 13:37

Tgt Ion: 98 Resp: 724172

Ion Ratio Lower Upper

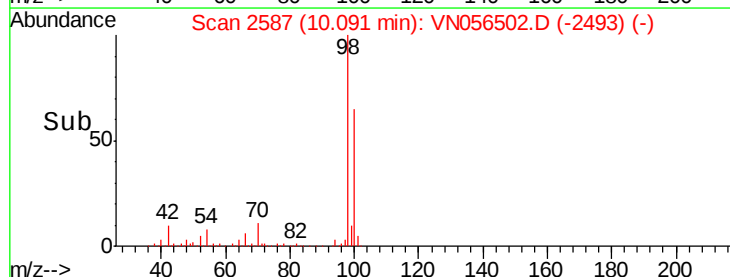
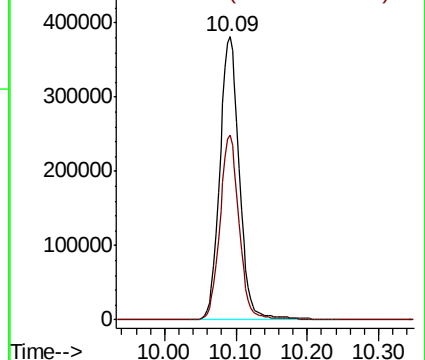
98 100

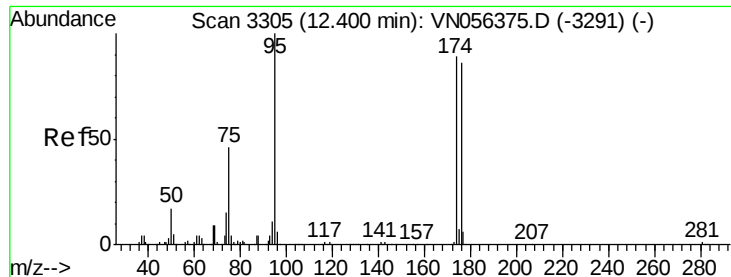
100 64.2 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN056375.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN056375.D (-2570) (-)

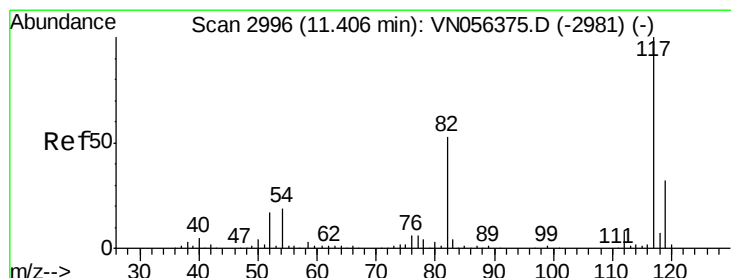
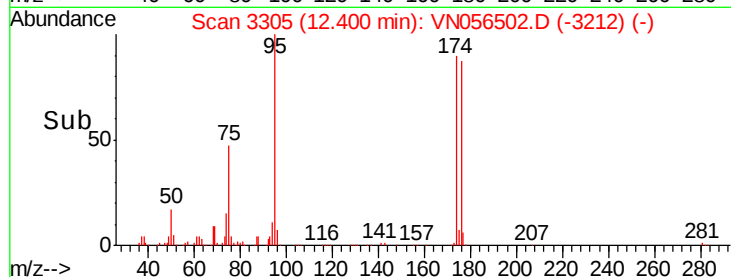
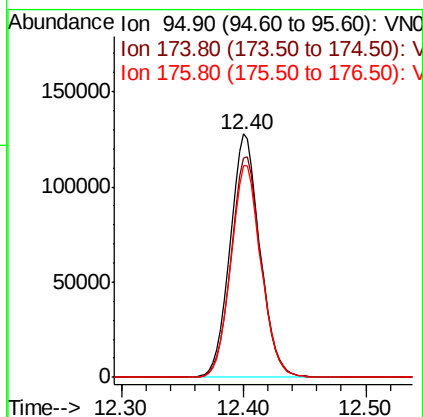
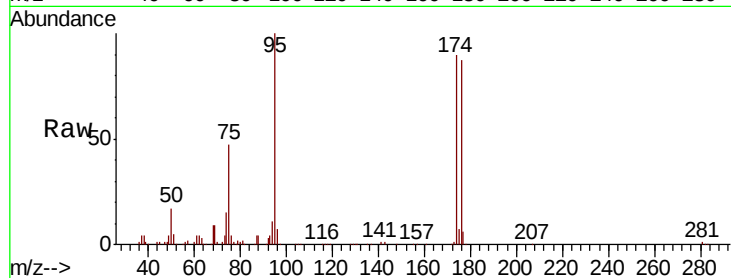




#62
4-Bromofluorobenzene
Concen: 45.575 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN056502.D
Acq: 26 Jun 2019 13:37

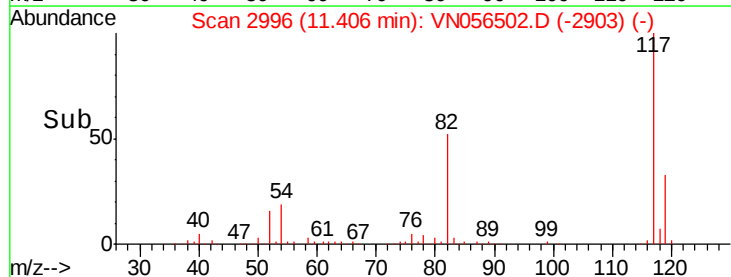
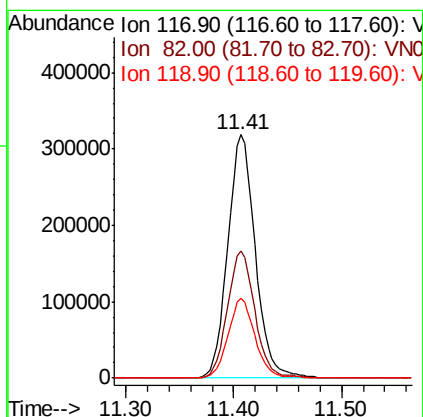
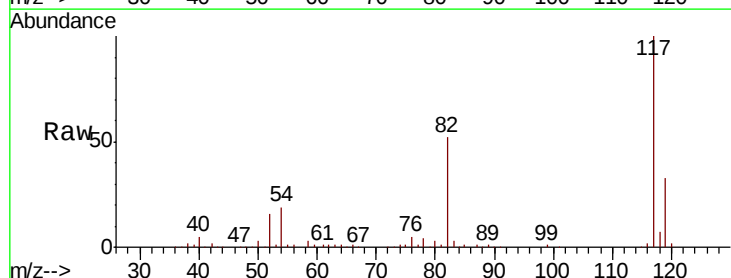
Instrument :
MSVOA_N
ClientSampleId :

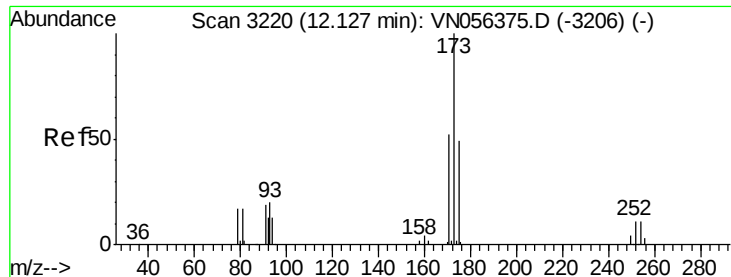
Tot Ion: 95 Resp: 217381
Ion Ratio Lower Upper
95 100
174 91.5 0.0 179.4
176 87.9 0.0 173.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056502.D
Acq: 26 Jun 2019 13:37

Tgt Ion: 117 Resp: 566328
Ion Ratio Lower Upper
117 100
82 52.0 42.0 63.0
119 32.5 25.3 37.9





#71

Bromoform

Concen: 3.636 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN056502.D

Acq: 26 Jun 2019 13:37

Instrument :

MSVOA_N

ClientSampleId :

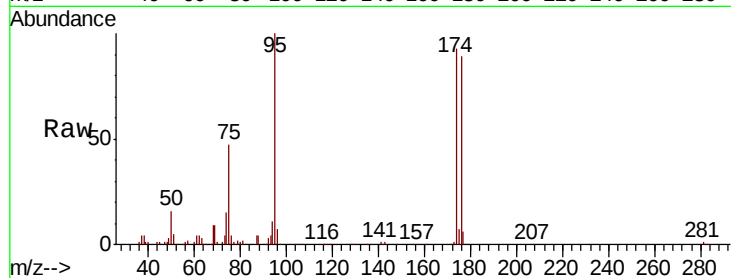
Tot Ion:173 Resp: 1634

Ion Ratio Lower Upper

173 100

175 759.3 24.4 73.4#

254 0.0 0.0 0.0

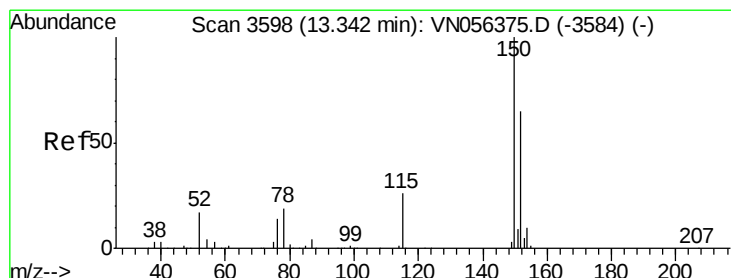
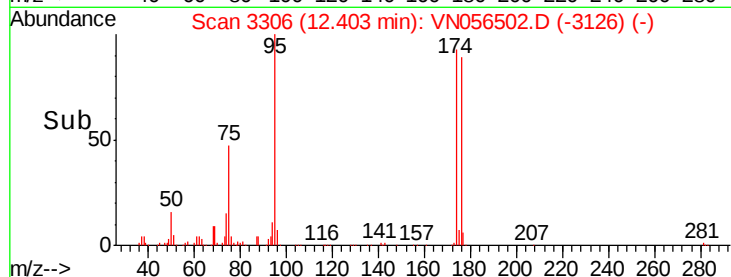
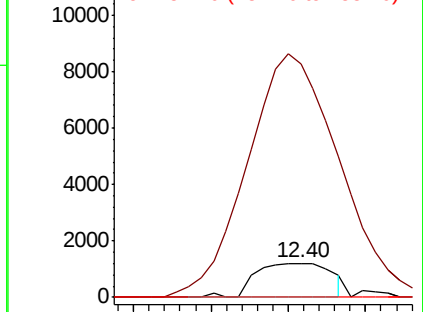


Abundance

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: VN056502.D

Acq: 26 Jun 2019 13:37

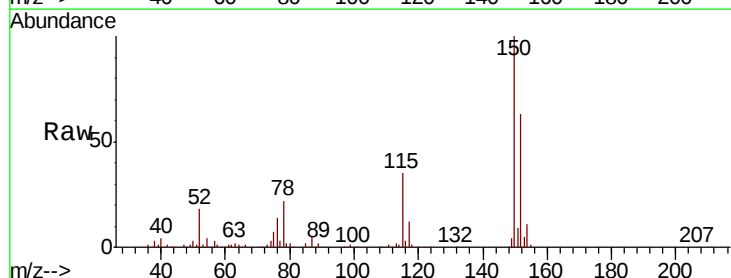
Tgt Ion:152 Resp: 148731

Ion Ratio Lower Upper

152 100

115 54.6 28.1 84.4

150 155.9 0.0 348.4

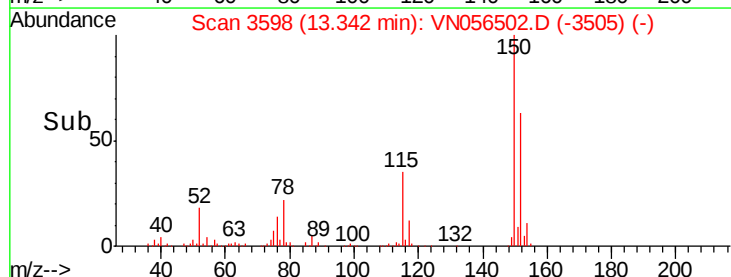
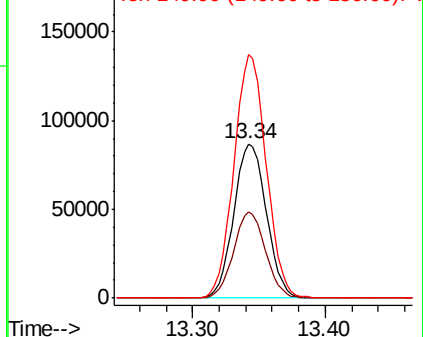


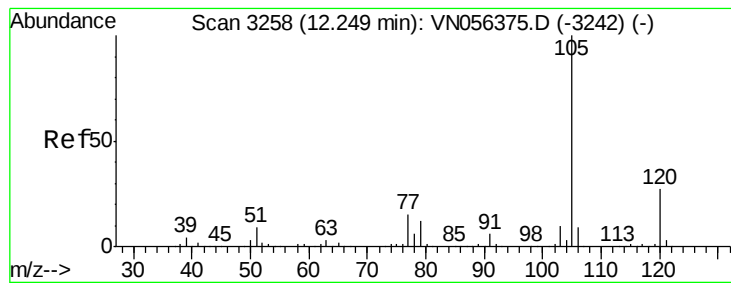
Abundance

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: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN056502.D

Acq: 26 Jun 2019 13:37

Instrument :

MSVOA_N

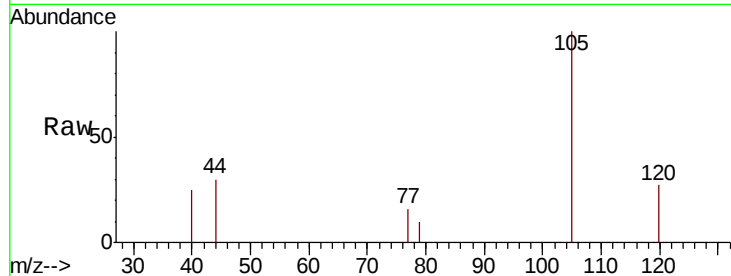
ClientSampleId :

Tot Ion:105 Resp: 2741

Ion Ratio Lower Upper

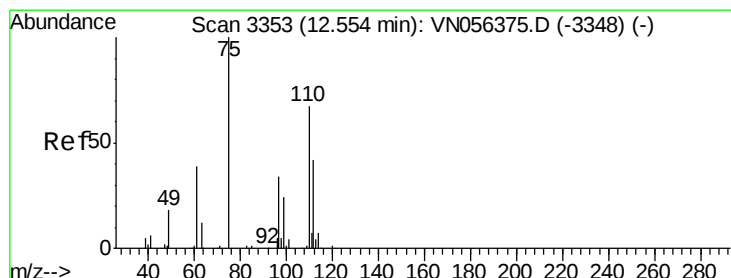
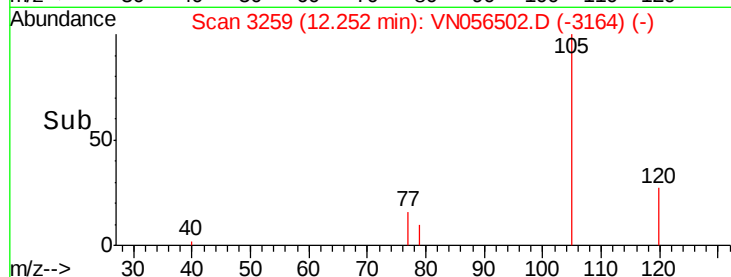
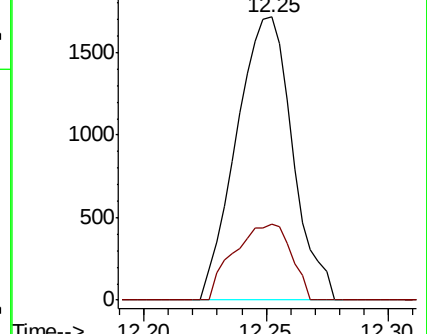
105 100

120 27.3 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: 33.386 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056502.D

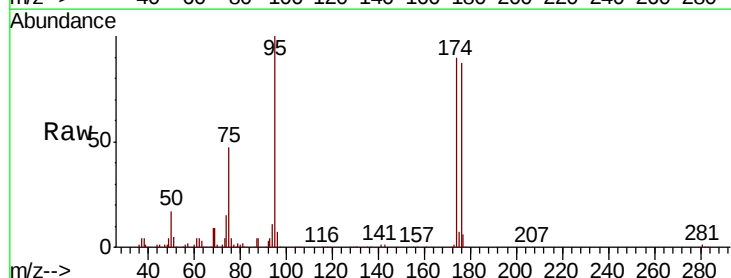
Acq: 26 Jun 2019 13:37

Tgt Ion: 75 Resp: 102960

Ion Ratio Lower Upper

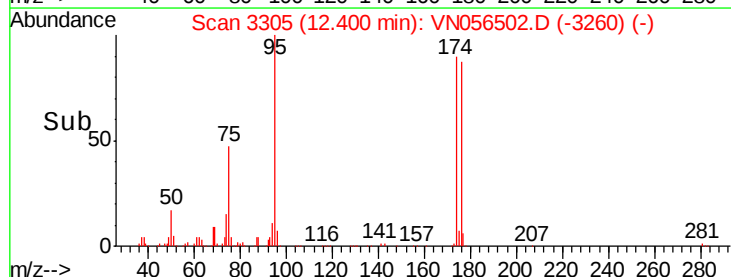
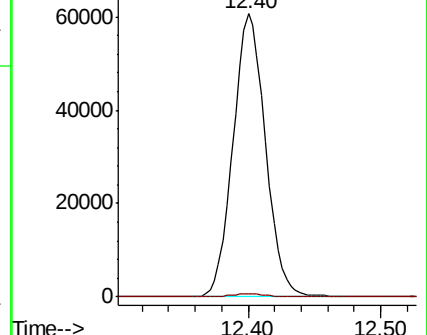
75 100

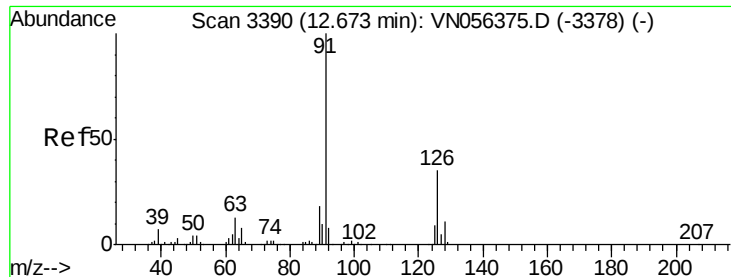
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

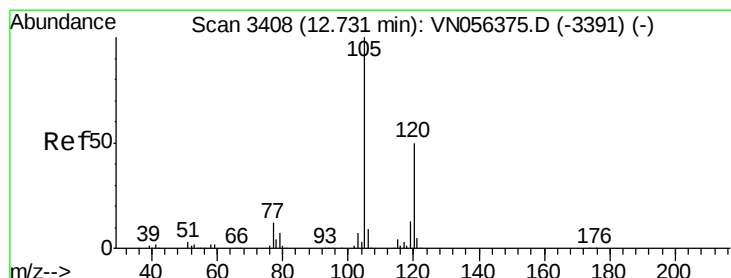
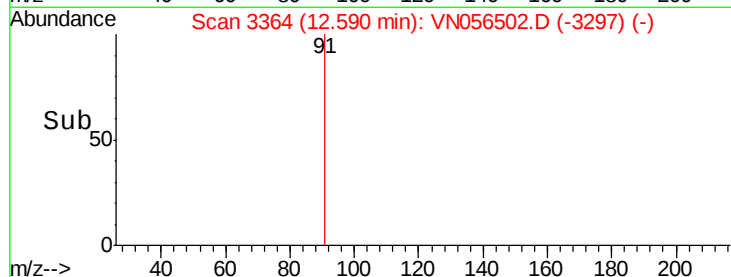
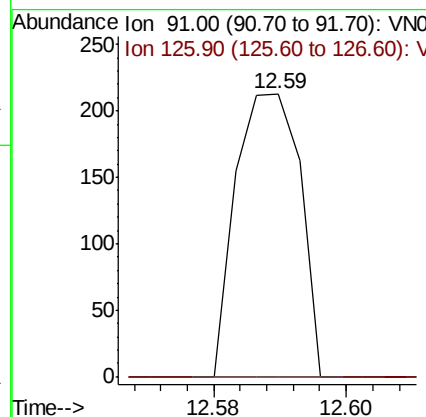
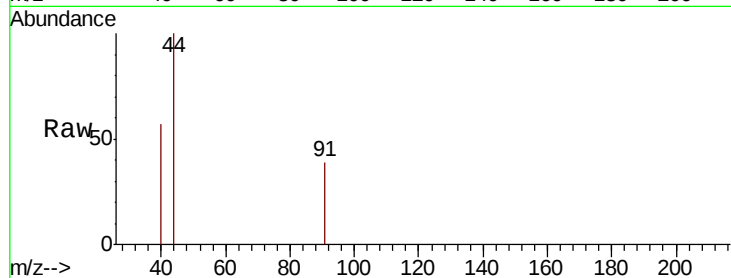




#79
 2-Chlorotoluene
 Concen: Below Cal
 RT: 12.59 min Scan# 3364
 Delta R.T. -0.08 min
 Lab File: VN056502.D
 Acq: 26 Jun 2019 13:37

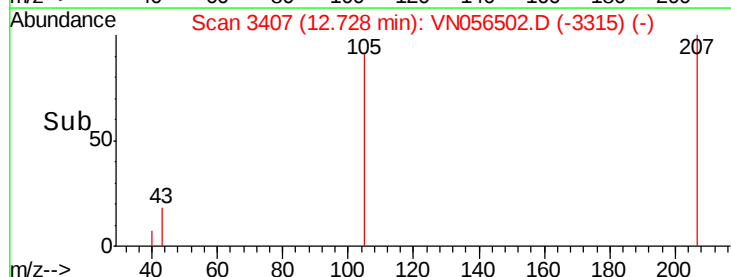
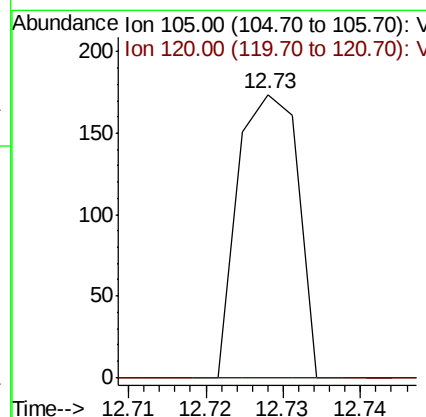
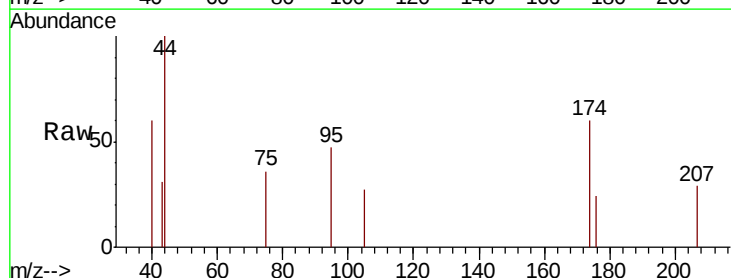
Instrument :
 MSVOA_N
 ClientSampled :

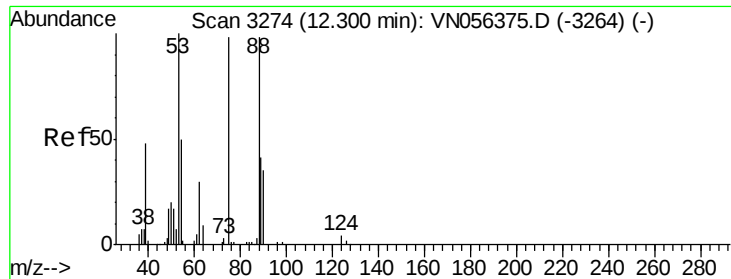
Tot Ion: 91 Resp: 143
 Ion Ratio Lower Upper
 91 100
 126 0.0 17.6 52.8#



#80
 1,3,5-Trimethylbenzene
 Concen: Below Cal
 RT: 12.73 min Scan# 3407
 Delta R.T. -0.00 min
 Lab File: VN056502.D
 Acq: 26 Jun 2019 13:37

Tgt Ion: 105 Resp: 94
 Ion Ratio Lower Upper
 105 100
 120 0.0 24.8 74.4#





#81

trans-1,4-Dichloro-2-butene

Concen: 118.657 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056502.D

Acq: 26 Jun 2019 13:37

Instrument :

MSVOA_N

ClientSampled :

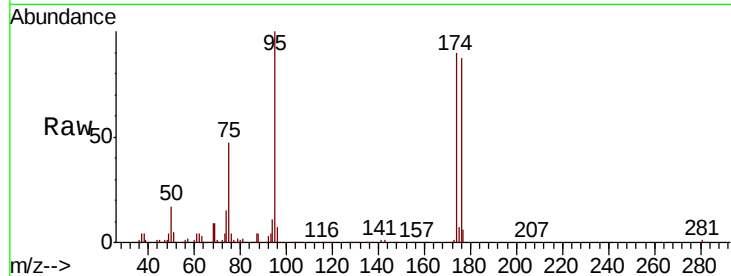
Tot Ion: 75 Resp: 102960

Ion Ratio Lower Upper

75 100

53 0.0 83.9 125.9#

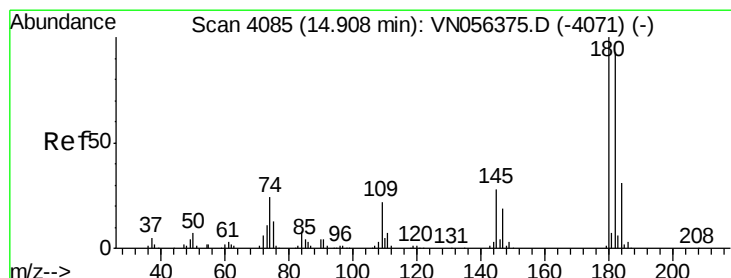
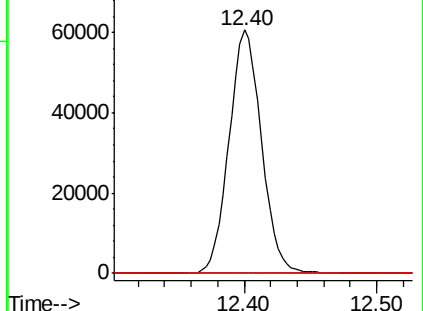
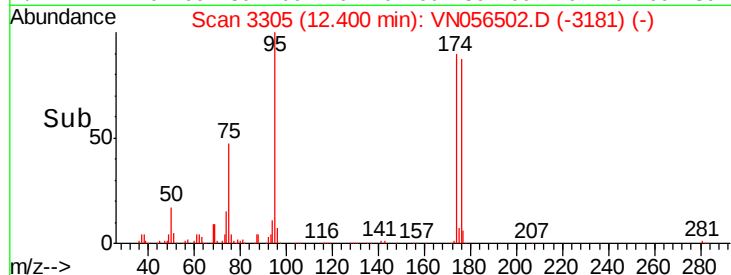
89 0.0 35.0 52.6#



Abundance Ion 74.90 (74.60 to 75.60): VN056502.D (-3181) (-)

Ion 53.00 (52.70 to 53.70): VN056502.D (-3181) (-)

Ion 88.90 (88.60 to 89.60): VN056502.D (-3181) (-)



#93

1,2,4-Trichlorobenzene

Concen: 5.638 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN056502.D

Acq: 26 Jun 2019 13:37

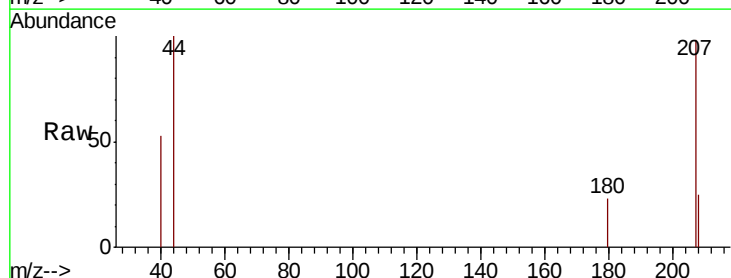
Tgt Ion:180 Resp: 69

Ion Ratio Lower Upper

180 100

182 0.0 46.9 140.6#

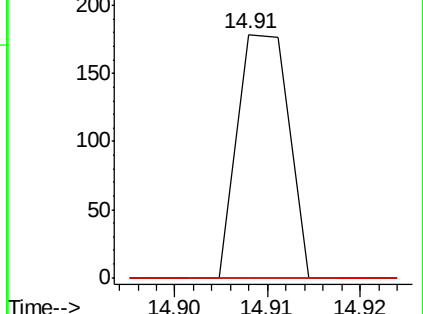
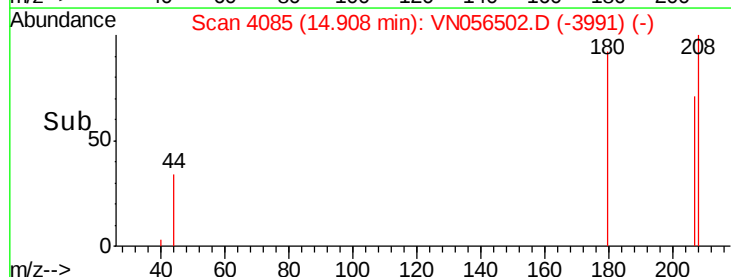
145 0.0 14.4 43.0#

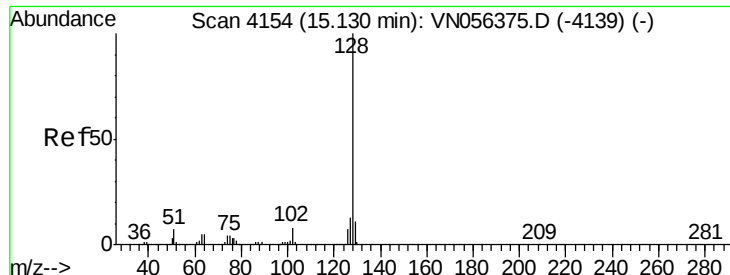


Abundance Ion 179.80 (179.50 to 180.50): VN056502.D (-3991) (-)

Ion 181.80 (181.50 to 182.50): VN056502.D (-3991) (-)

Ion 144.80 (144.50 to 145.50): VN056502.D (-3991) (-)





#95

Naphthalene

Concen: 5.286 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.01 min

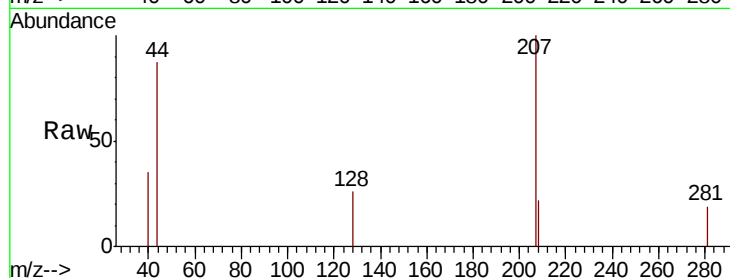
Lab File: VN056502.D

Acq: 26 Jun 2019 13:37

Instrument :

MSVOA_N

ClientSampleId :



Tot Ion:128 Resp: 314

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

