

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092619\
 Data File : VN058373.D
 Acq On : 26 Sep 2019 10:33
 Operator : JC/SP
 Sample : VN0926MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0926MBL01

Quant Time: Sep 27 02:32:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	476321	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	790620	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	668001	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	260317	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	361710	54.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.04%	
35) Dibromofluoromethane	7.57	113	251273	52.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.56%	
50) Toluene-d8	10.09	98	1007725	53.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.62%	
62) 4-Bromofluorobenzene	12.41	95	316370	45.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.96%	

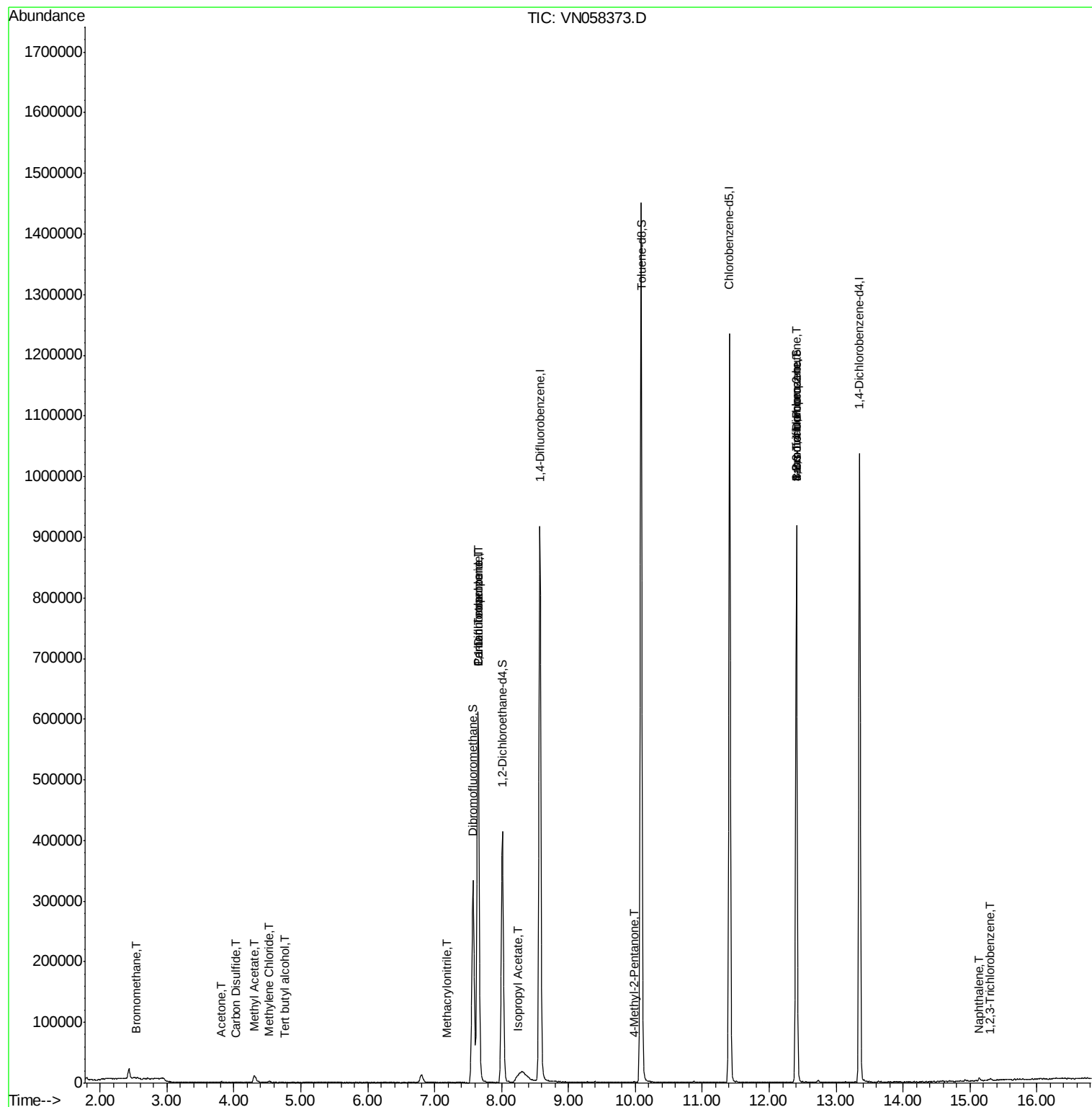
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	459	Below Cal	#	42
4) Vinyl Chloride	2.17	62	29	Below Cal	#	43
5) Bromomethane	2.54	94	62	0.757	ug/l	96
6) Chloroethane	2.68	64	61	Below Cal	#	44
11) Tert butyl alcohol	4.77	59	162	0.205	ug/l	71
16) Acetone	3.81	43	1913	0.849	ug/l	83
17) Carbon Disulfide	4.03	76	675	0.434	ug/l	74
18) Methyl Acetate	4.31	43	23817	4.019	ug/l	70
20) Methylene Chloride	4.53	84	1939	0.271	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	29	Below Cal	#	1
31) Cyclohexane	7.65	56	12299	Below Cal	#	12
36) 1,1-Dichloropropene	7.65	75	41943	7.356	ug/l	50
38) Carbon Tetrachloride	7.65	117	49296	8.601	ug/l	15
41) Methacrylonitrile	7.18	41	63	0.932	ug/l	100
43) Isopropyl Acetate	8.23	43	7832	0.709	ug/l	57
51) 4-Methyl-2-Pentanone	9.98	43	1499	0.255	ug/l	37
71) Bromoform	12.40	173	934	3.870	ug/l	1
76) 1,2,3-Trichloropropane	12.41	75	174871	37.535	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.41	75	174871	104.580	ug/l	5
95) Naphthalene	15.14	128	4377	0.352	ug/l	90
96) 1,2,3-Trichlorobenzene	15.31	180	1248	0.275	ug/l	93

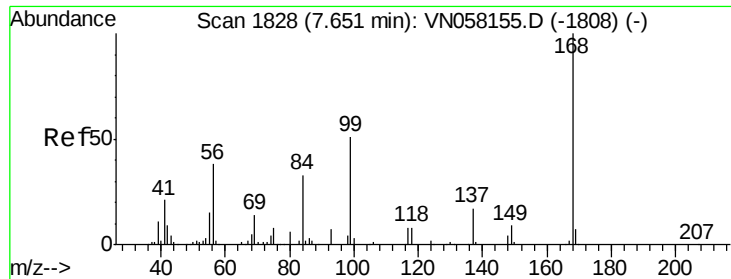
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN058373.D

Acq: 26 Sep 2019 10:33

Instrument :

MSVOA_N

ClientSampleId :

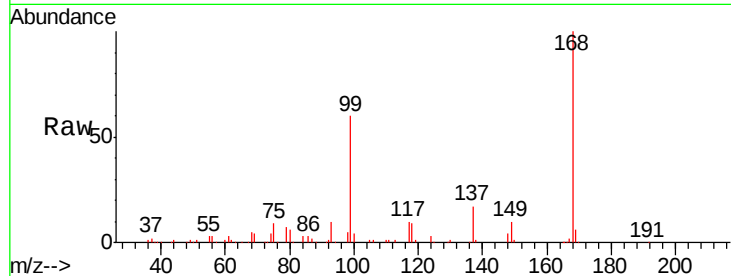
VN0926MBL01

Tgt Ion: 168 Resp: 476321

Ion Ratio Lower Upper

168 100

99 60.3 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

7.65

200000

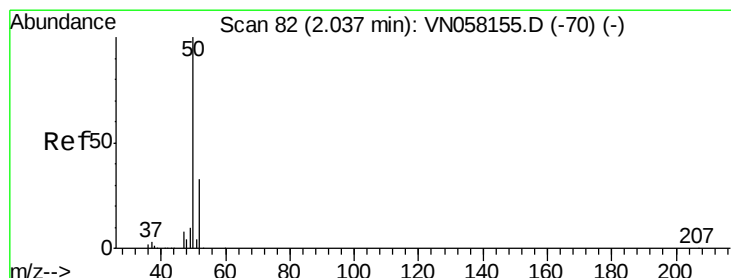
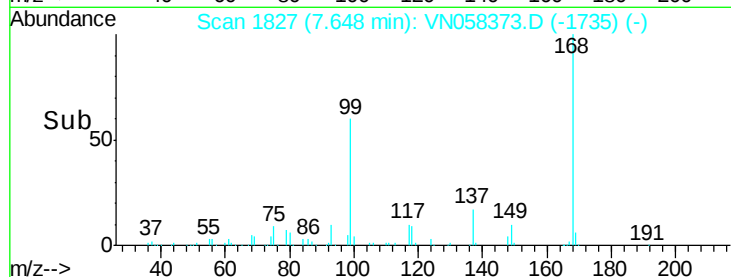
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN058373.D

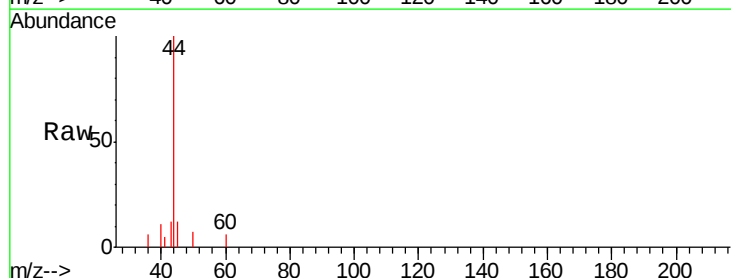
Acq: 26 Sep 2019 10:33

Tgt Ion: 50 Resp: 459

Ion Ratio Lower Upper

50 100

52 0.0 26.3 39.5#



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.03

300

250

200

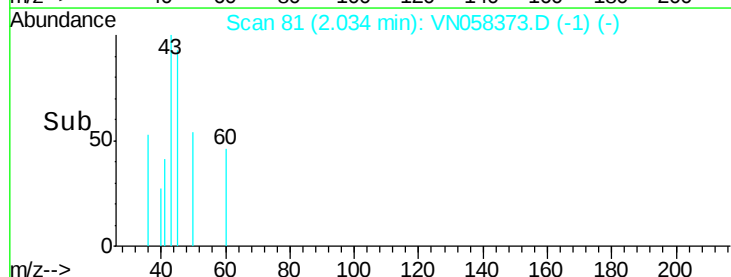
150

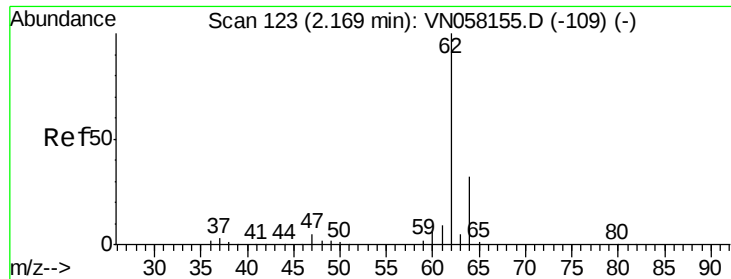
100

50

0

Time-->





#4

Vinyl Chloride

Concen: Below Cal

RT: 2.17 min Scan# 122

Delta R.T. -0.00 min

Lab File: VN058373.D

Acq: 26 Sep 2019 10:33

Instrument :

MSVOA_N

ClientSampleId :

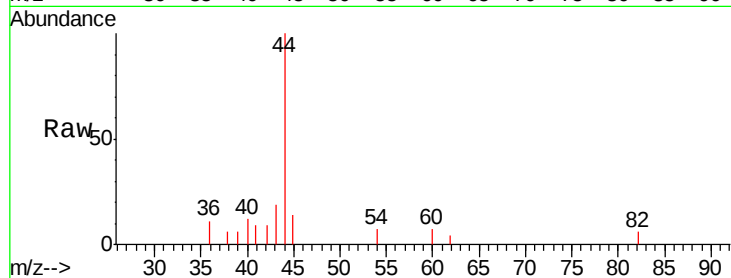
VN0926MBL01

Tgt Ion: 62 Resp: 29

Ion Ratio Lower Upper

62 100

64 0.0 25.4 38.2#



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.17

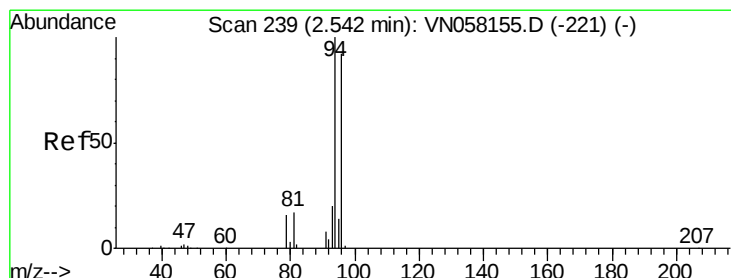
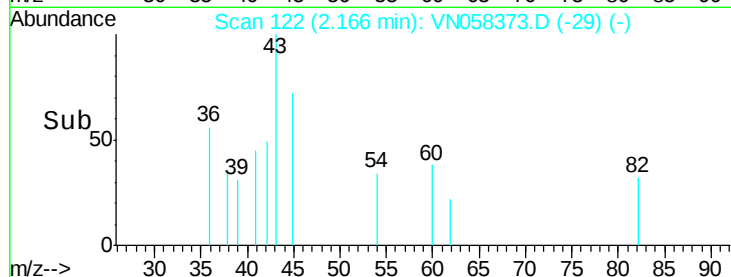
150

100

50

0

Time--> 2.15 2.16 2.17 2.17 2.17



#5

Bromomethane

Concen: 0.757 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.00 min

Lab File: VN058373.D

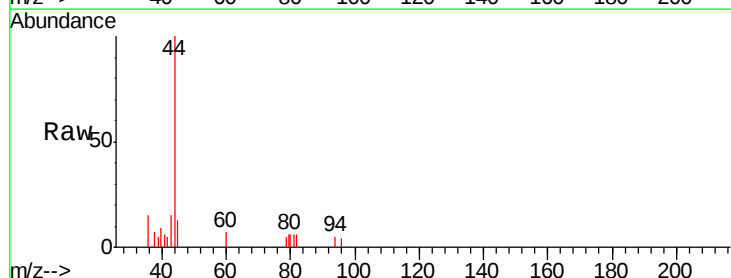
Acq: 26 Sep 2019 10:33

Tgt Ion: 94 Resp: 62

Ion Ratio Lower Upper

94 100

96 95.9 73.3 109.9



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.54

300

250

200

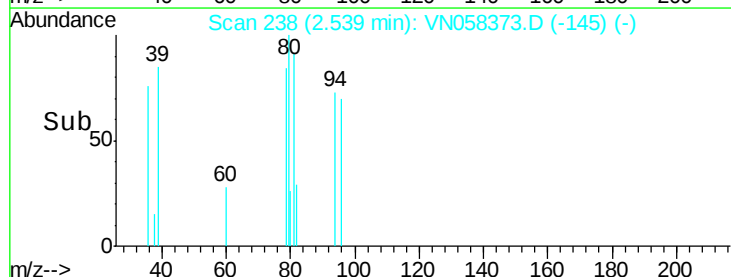
150

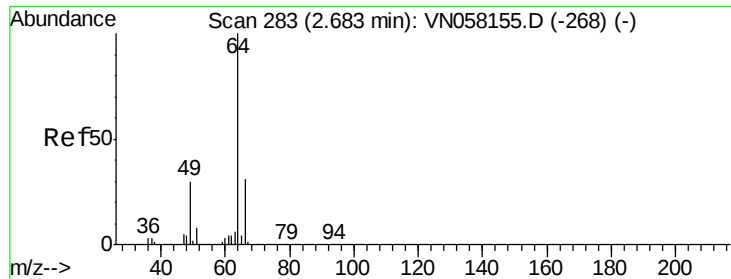
100

50

0

Time--> 2.53 2.54 2.54 2.54





#6

Chloroethane

Concen: Below Cal

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN058373.D

Acq: 26 Sep 2019 10:33

Instrument :

MSVOA_N

ClientSampleId :

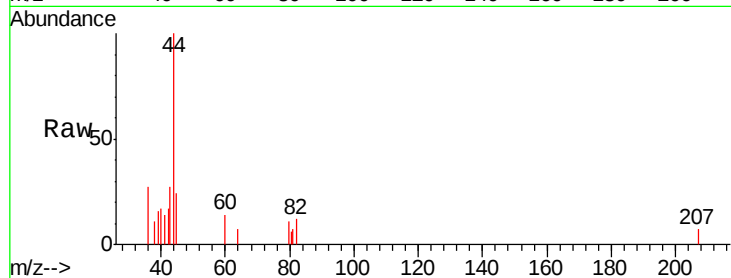
VN0926MBL01

Tgt Ion: 64 Resp: 61

Ion Ratio Lower Upper

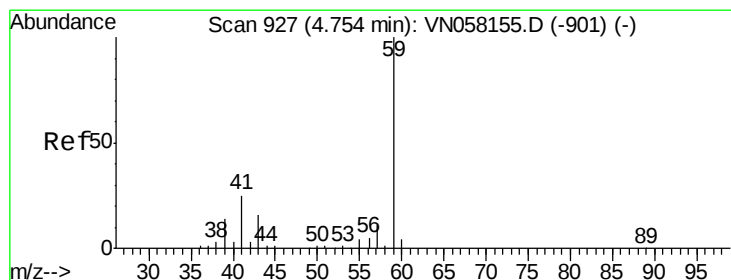
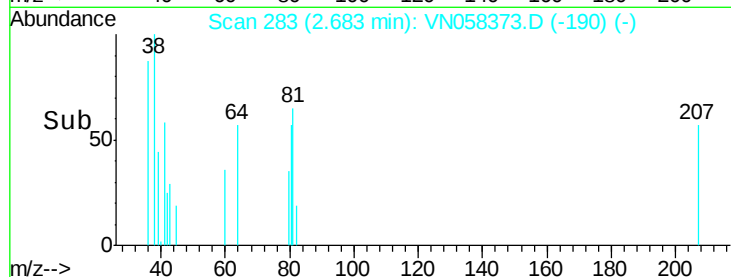
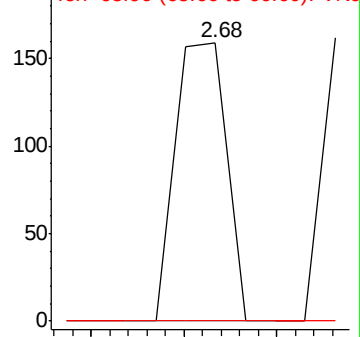
64 100

66 0.0 24.6 37.0#



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



#11

Tert butyl alcohol

Concen: 0.205 ug/l

RT: 4.77 min Scan# 931

Delta R.T. 0.01 min

Lab File: VN058373.D

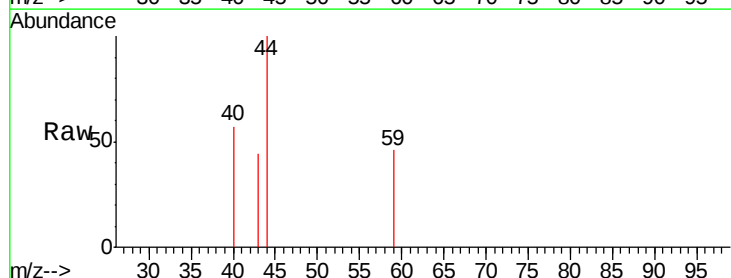
Acq: 26 Sep 2019 10:33

Tgt Ion: 59 Resp: 162

Ion Ratio Lower Upper

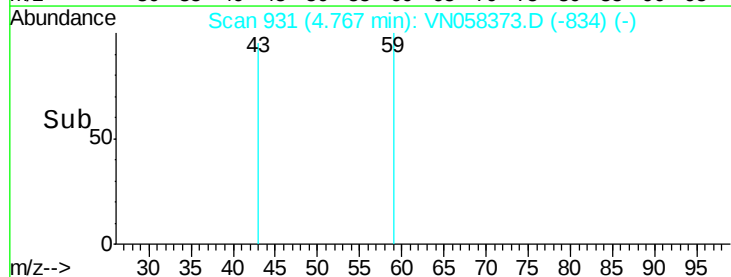
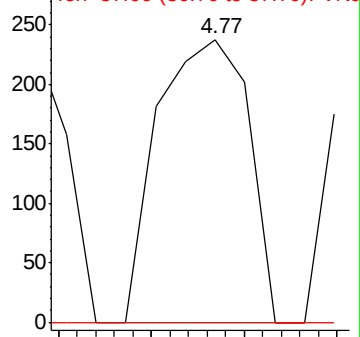
59 100

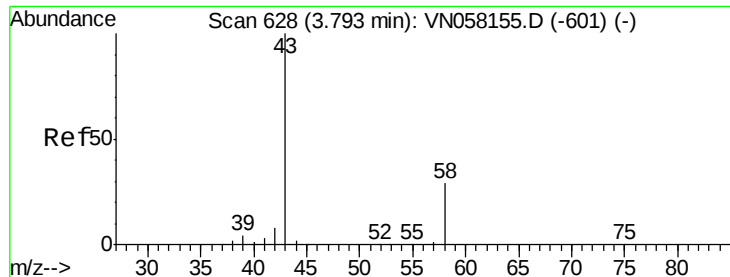
57 0.0 8.6 13.0#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0





#16

Acetone

Concen: 0.849 ug/l

RT: 3.81 min Scan# 634

Delta R.T. 0.02 min

Lab File: VN058373.D

Acq: 26 Sep 2019 10:33

Instrument :

MSVOA_N

ClientSampled :

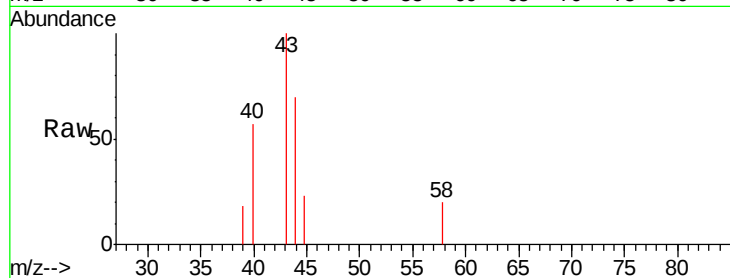
VN0926MBL01

Tgt Ion: 43 Resp: 1913

Ion Ratio Lower Upper

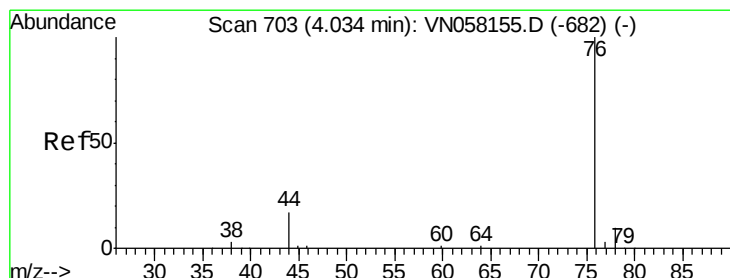
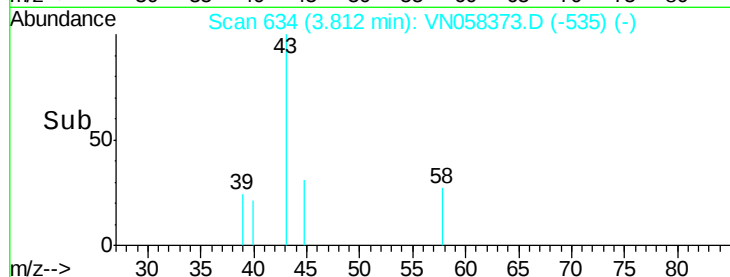
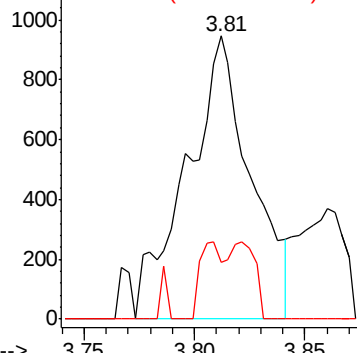
43 100

58 20.3 23.4 35.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#17

Carbon Disulfide

Concen: 0.434 ug/l

RT: 4.03 min Scan# 702

Delta R.T. -0.00 min

Lab File: VN058373.D

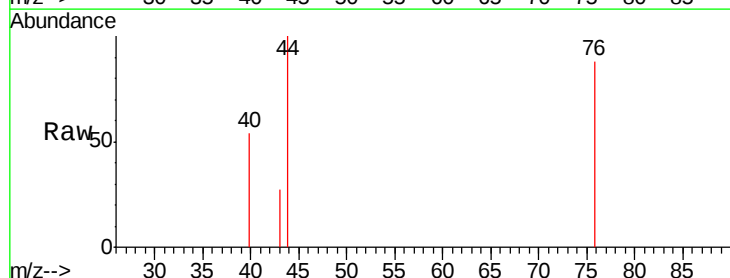
Acq: 26 Sep 2019 10:33

Tgt Ion: 76 Resp: 675

Ion Ratio Lower Upper

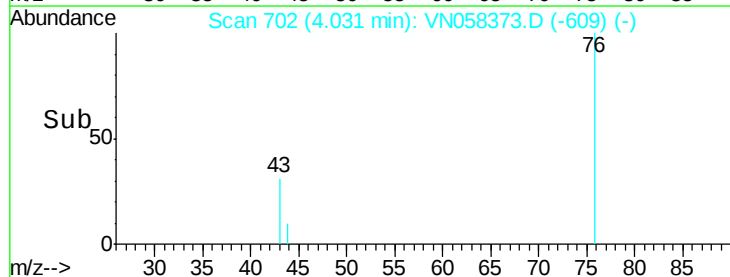
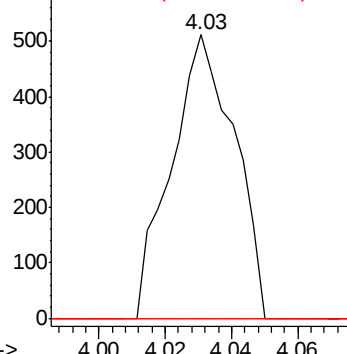
76 100

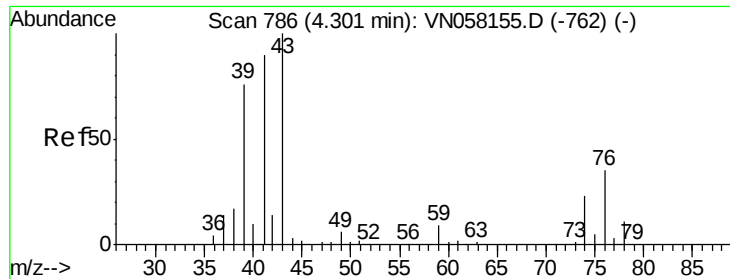
78 0.0 7.7 11.5#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

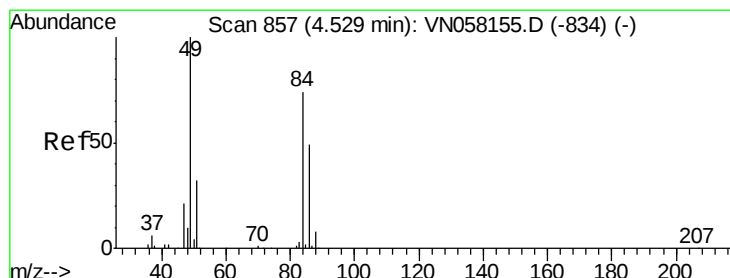
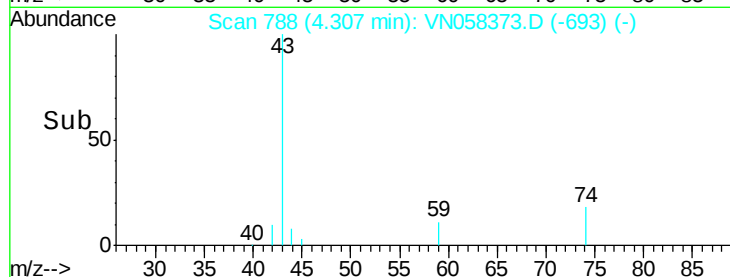
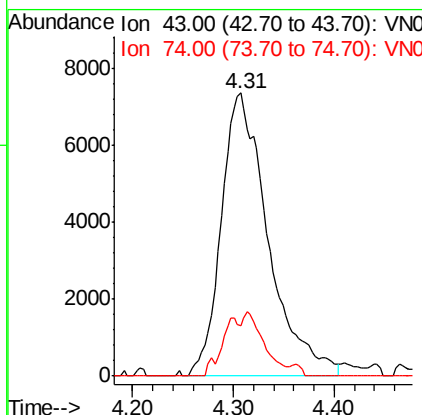
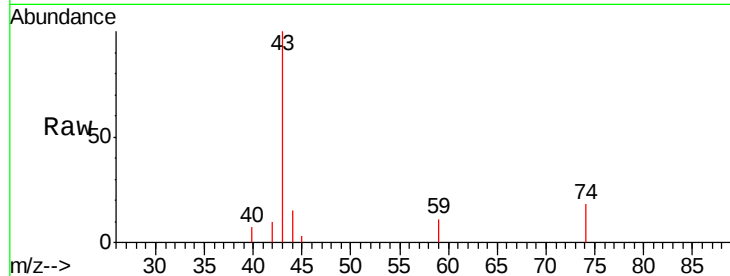




#18
Methyl Acetate
Concen: 4.019 ug/l
RT: 4.31 min Scan# 788
Delta R.T. 0.01 min
Lab File: VN058373.D
Acq: 26 Sep 2019 10:33

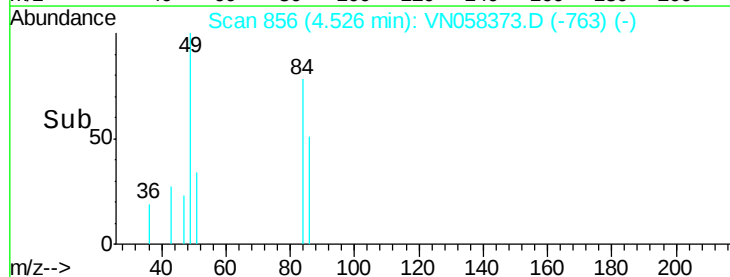
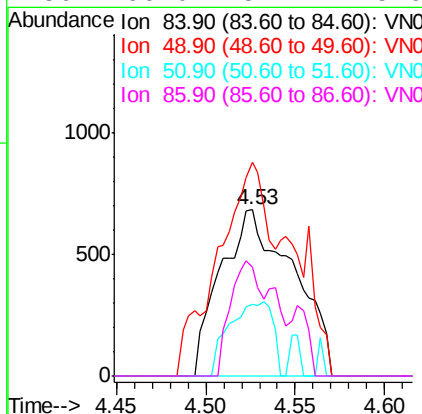
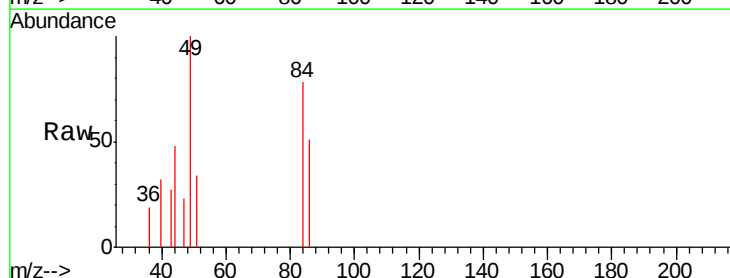
Instrument :
MSVOA_N
ClientSampled :
VN0926MBL01

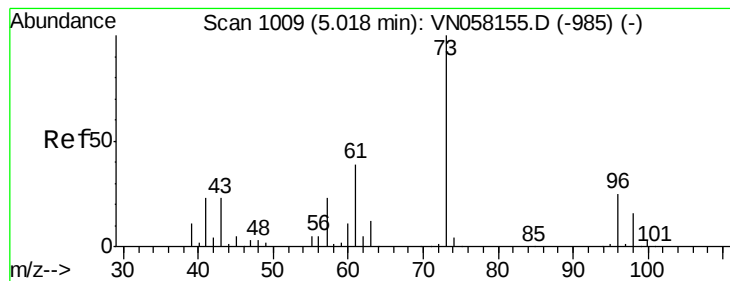
Tgt Ion: 43 Resp: 23817
Ion Ratio Lower Upper
43 100
74 8.1 18.0 27.0#



#20
Methylene Chloride
Concen: 0.271 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN058373.D
Acq: 26 Sep 2019 10:33

Tgt Ion: 84 Resp: 1939
Ion Ratio Lower Upper
84 100
49 128.7 107.5 161.3
51 43.5 33.9 50.9
86 66.0 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: Below Cal

RT: 5.05 min Scan# 1019

Delta R.T. 0.03 min

Lab File: VN058373.D

Acq: 26 Sep 2019 10:33

Instrument :

MSVOA_N

ClientSampleId :

VN0926MBL01

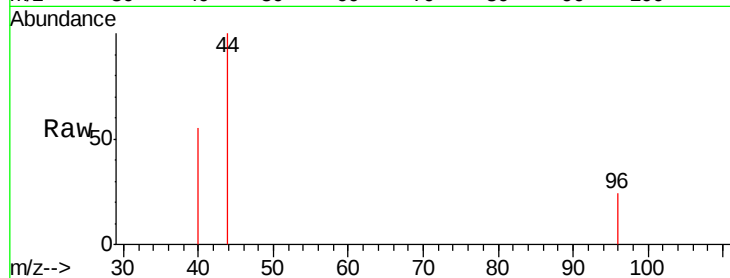
Tgt Ion: 96 Resp: 29

Ion Ratio Lower Upper

96 100

61 0.0 122.2 183.4#

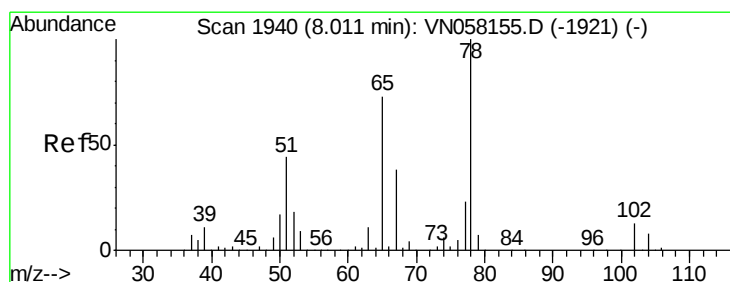
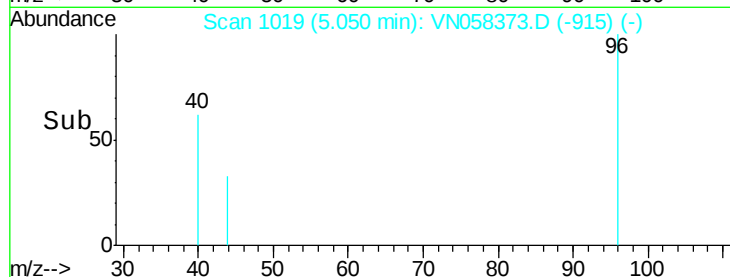
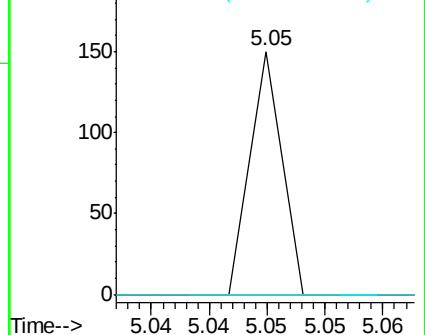
98 0.0 49.9 74.9#



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#33

1,2-Dichloroethane-d4

Concen: 54.522 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.00 min

Lab File: VN058373.D

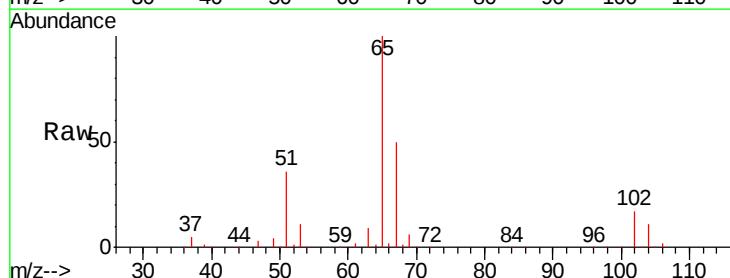
Acq: 26 Sep 2019 10:33

Tgt Ion: 65 Resp: 361710

Ion Ratio Lower Upper

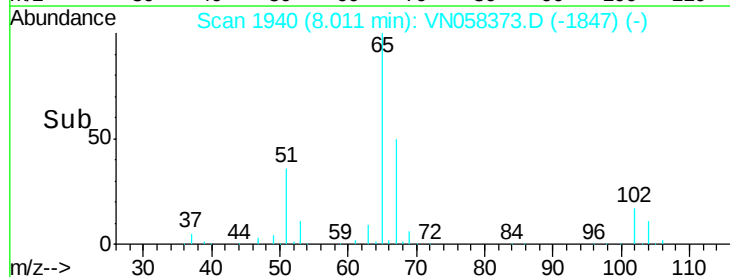
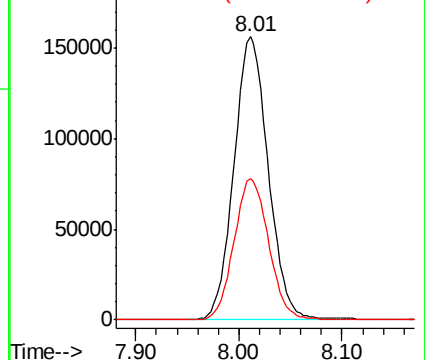
65 100

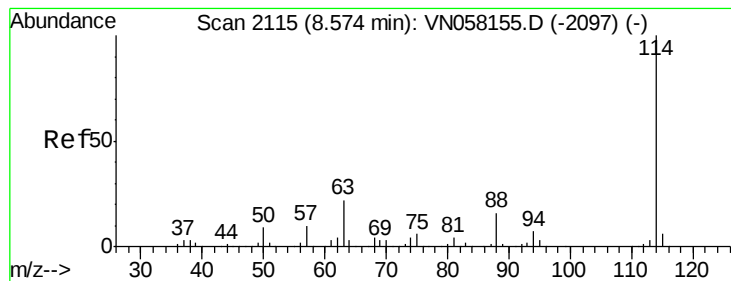
67 50.4 0.0 103.4



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: 8.57 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VN058373.D

Acq: 26 Sep 2019 10:33

Instrument :

MSVOA_N

ClientSampleId :

VN0926MBL01

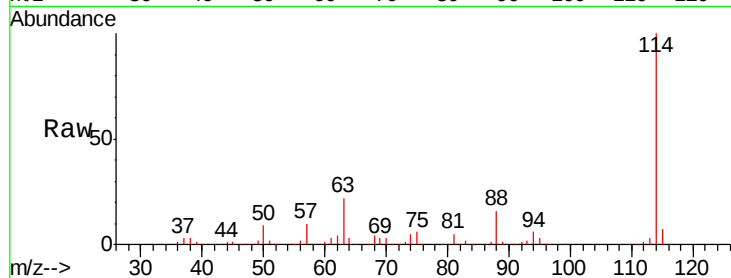
Tgt Ion:114 Resp: 790620

Ion Ratio Lower Upper

114 100

63 22.1 0.0 44.2

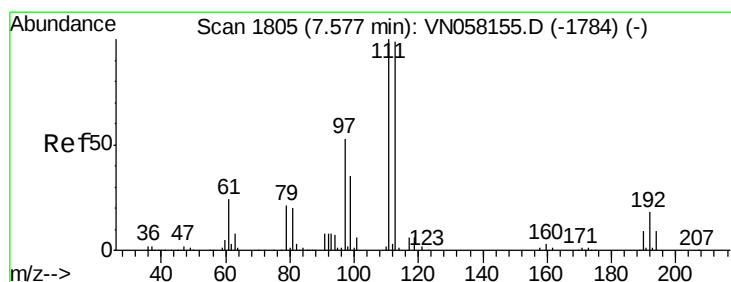
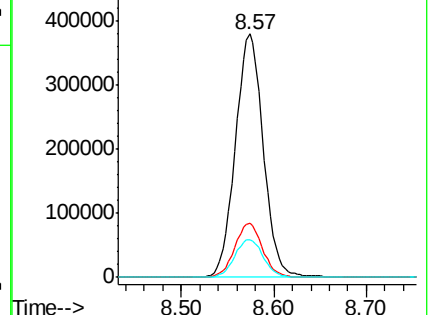
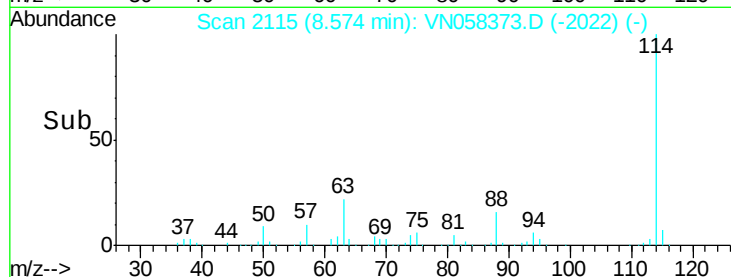
88 15.5 0.0 31.6



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: 52.280 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN058373.D

Acq: 26 Sep 2019 10:33

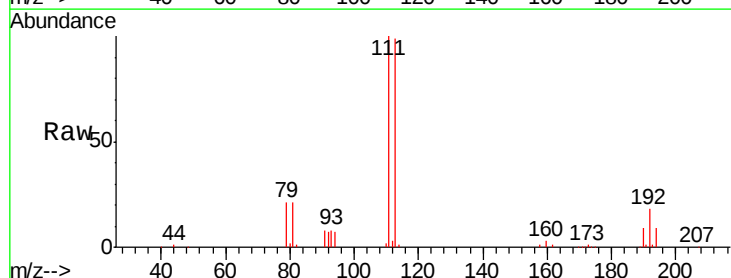
Tgt Ion:113 Resp: 251273

Ion Ratio Lower Upper

113 100

111 102.1 81.8 122.6

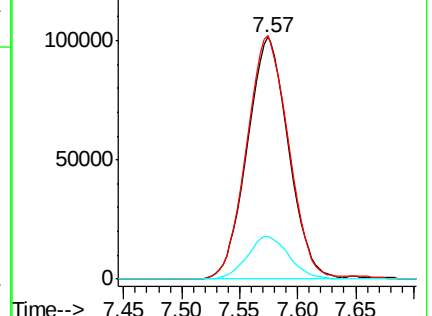
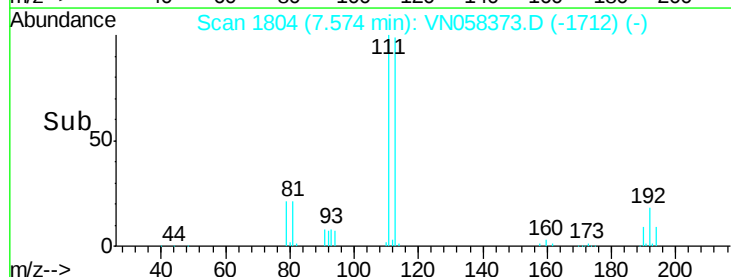
192 17.9 14.5 21.7

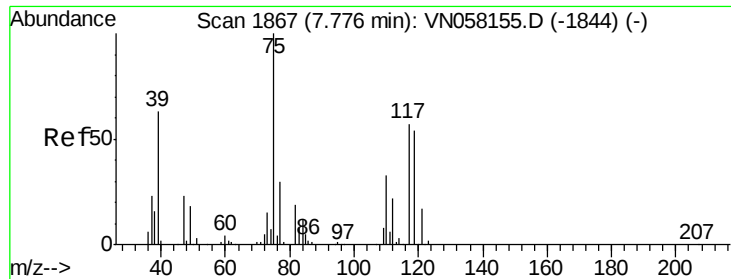


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

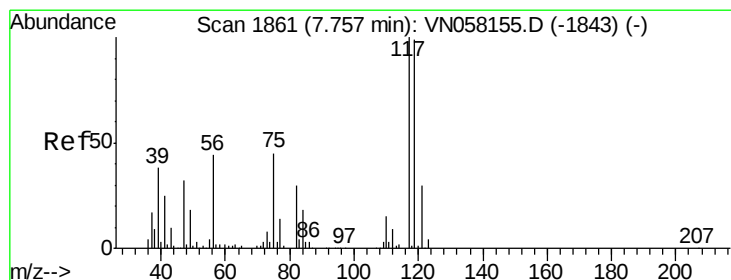
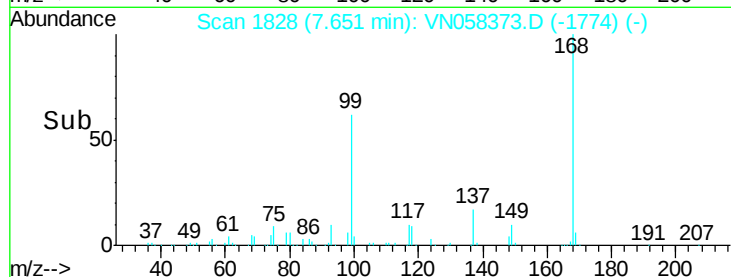
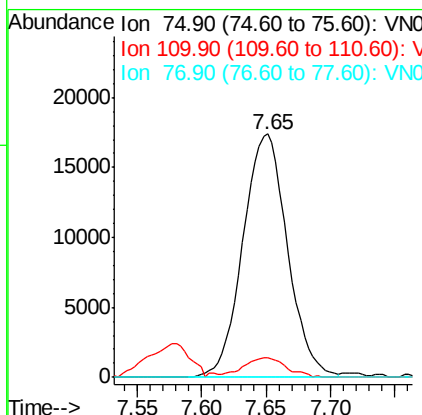
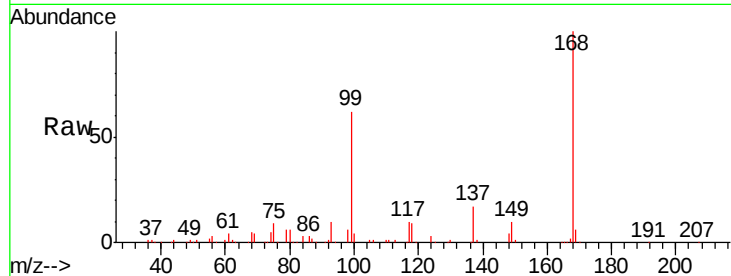




#36
 1,1-Dichloropropene
 Concen: 7.356 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.13 min
 Lab File: VN058373.D
 Acq: 26 Sep 2019 10:33

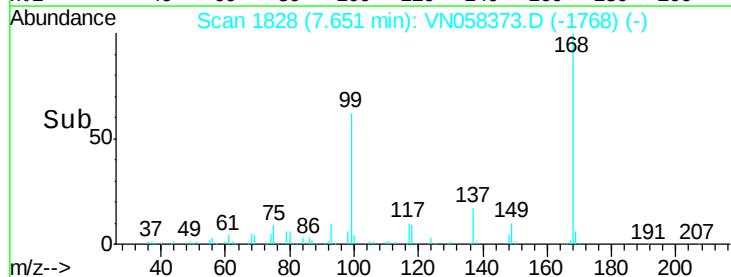
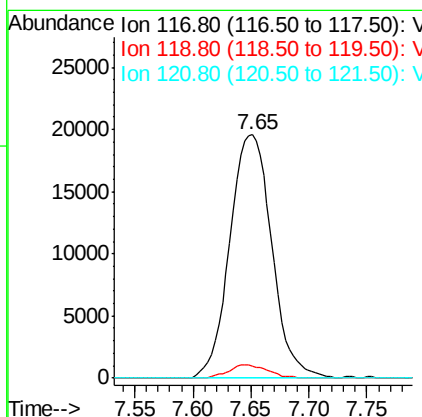
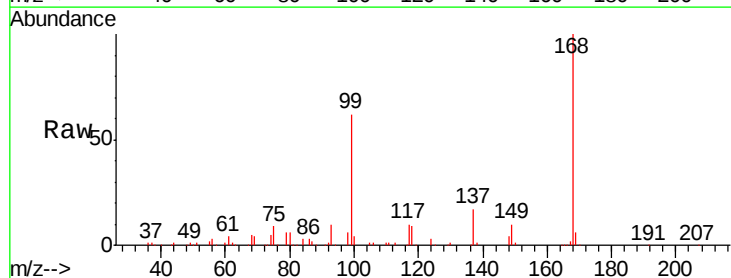
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0926MBL01

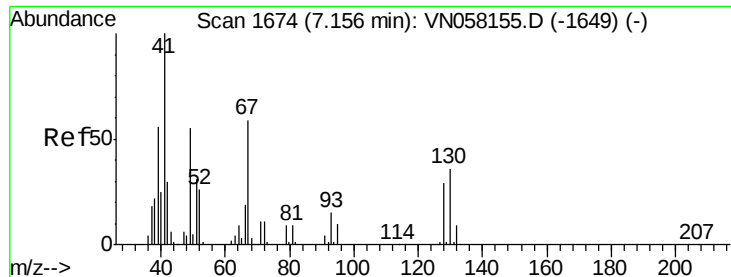
Tgt Ion: 75 Resp: 41943
 Ion Ratio Lower Upper
 75 100
 110 7.8 16.6 49.7#
 77 0.0 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 8.601 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.11 min
 Lab File: VN058373.D
 Acq: 26 Sep 2019 10:33

Tgt Ion: 117 Resp: 49296
 Ion Ratio Lower Upper
 117 100
 119 5.0 78.6 117.8#
 121 0.0 24.1 36.1#

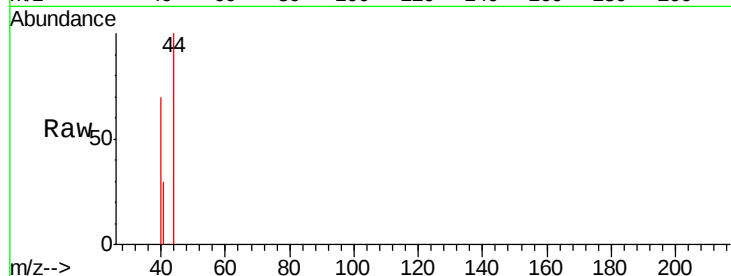




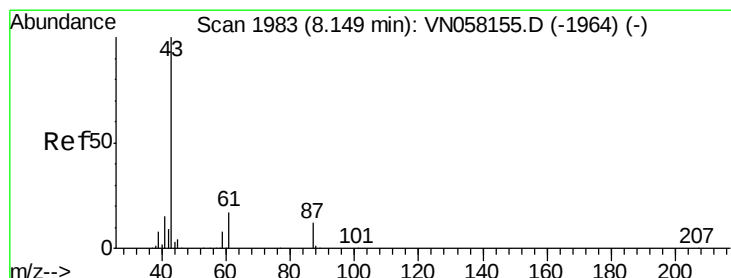
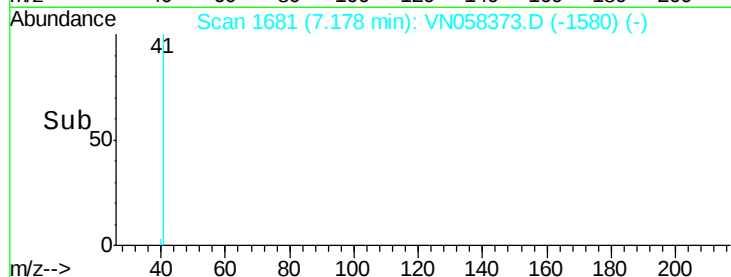
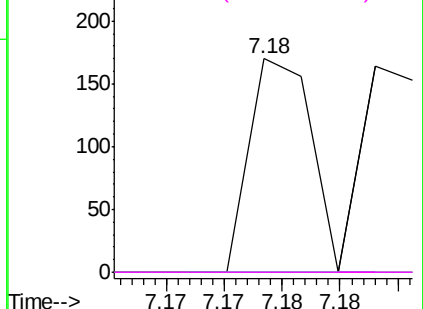
#41
Methacrylonitrile
Concen: 0.932 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.02 min
Lab File: VN058373.D
Acq: 26 Sep 2019 10:33

Instrument :
MSVOA_N
ClientSampleId :
VN0926MBL01

Tgt Ion:	41	Resp:	63
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

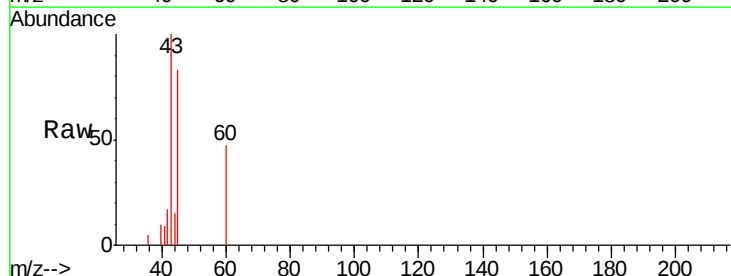


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

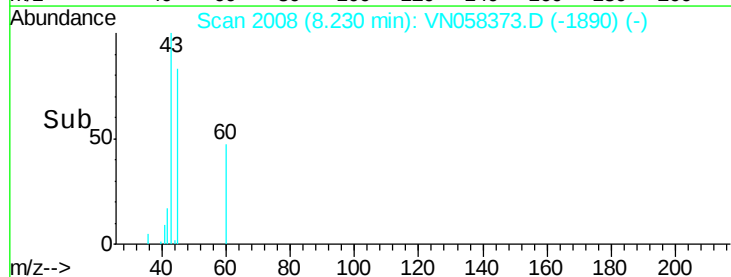
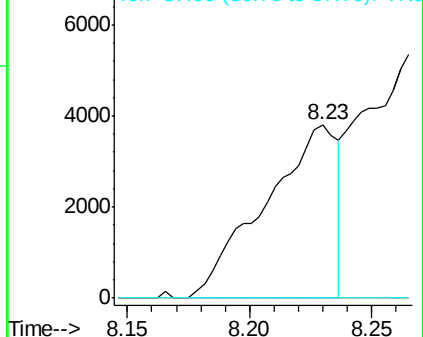


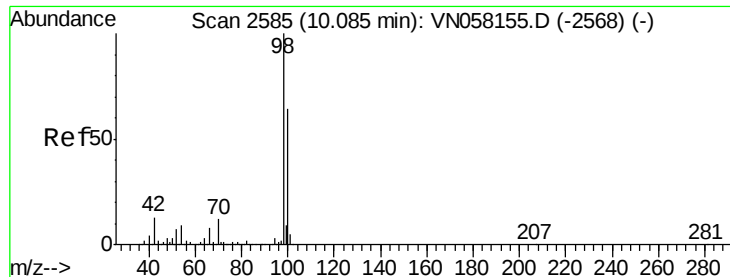
#43
Isopropyl Acetate
Concen: 0.709 ug/l
RT: 8.23 min Scan# 2008
Delta R.T. 0.08 min
Lab File: VN058373.D
Acq: 26 Sep 2019 10:33

Tgt Ion:	43	Resp:	7832
Ion	Ratio	Lower	Upper
43	100		
61	0.0	19.7	29.5#
87	0.0	9.4	14.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 87.00 (86.70 to 87.70): VN0





#50

Toluene-d8

Concen: 53.813 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058373.D

Acq: 26 Sep 2019 10:33

Instrument :

MSVOA_N

ClientSampled :

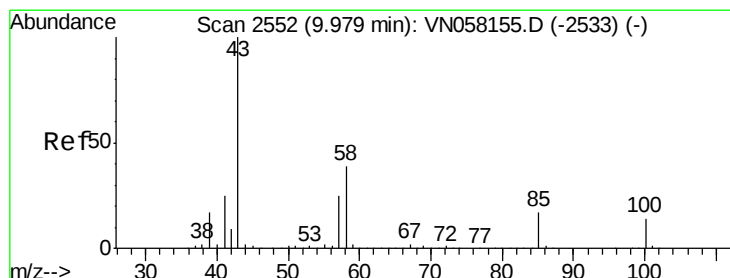
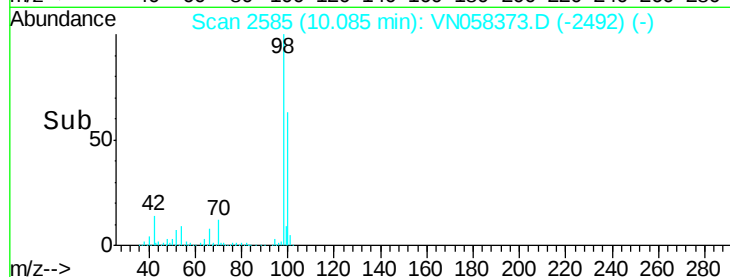
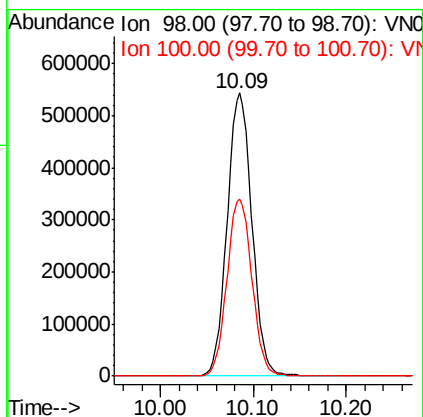
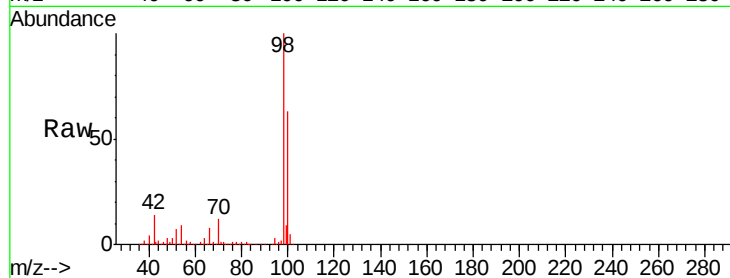
VN0926MBL01

Tgt Ion: 98 Resp: 1007725

Ion Ratio Lower Upper

98 100

100 63.0 51.1 76.7



#51

4-Methyl-2-Pentanone

Concen: 0.255 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN058373.D

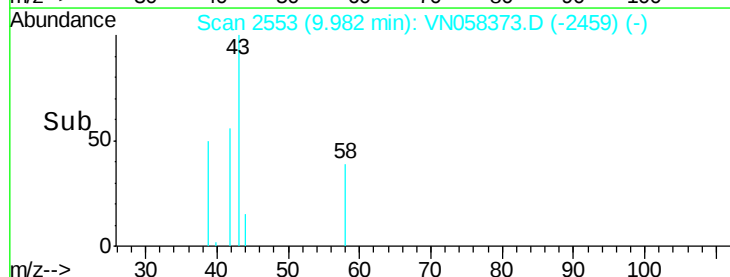
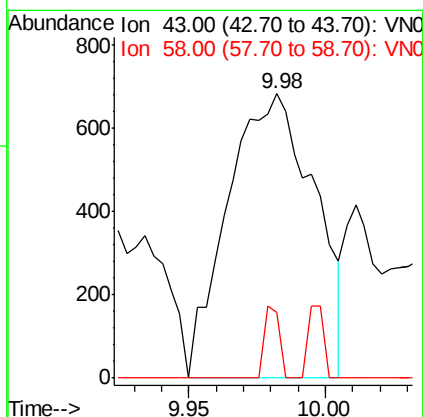
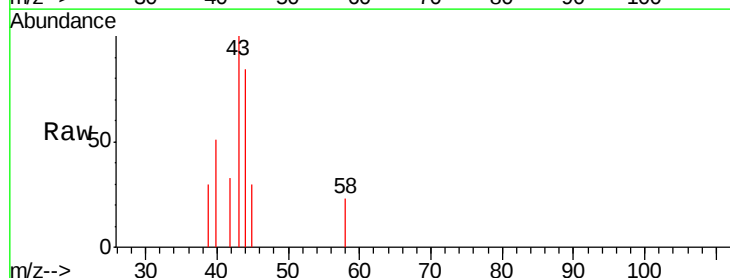
Acq: 26 Sep 2019 10:33

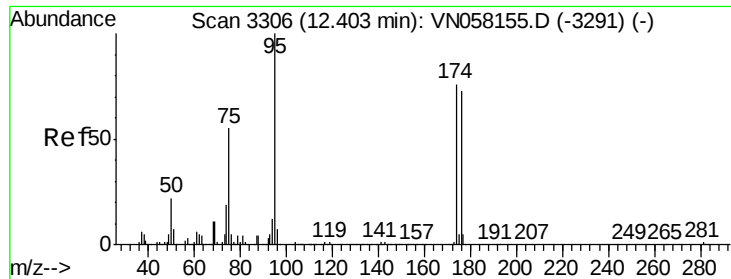
Tgt Ion: 43 Resp: 1499

Ion Ratio Lower Upper

43 100

58 0.0 30.2 45.4#

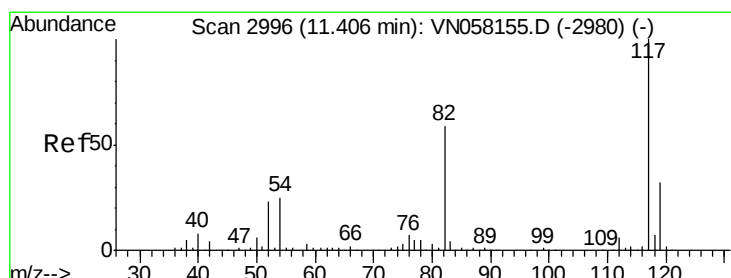
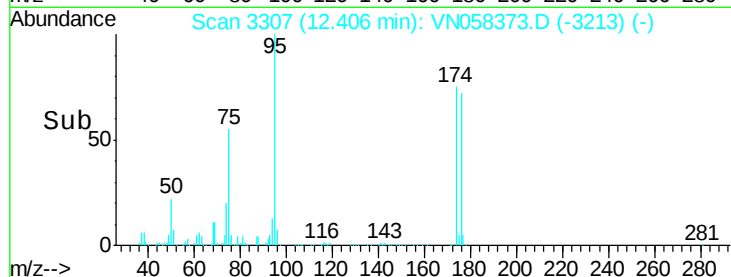
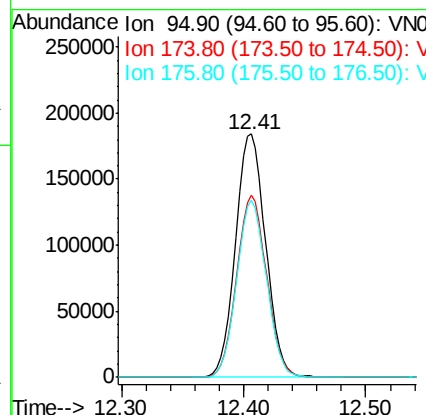
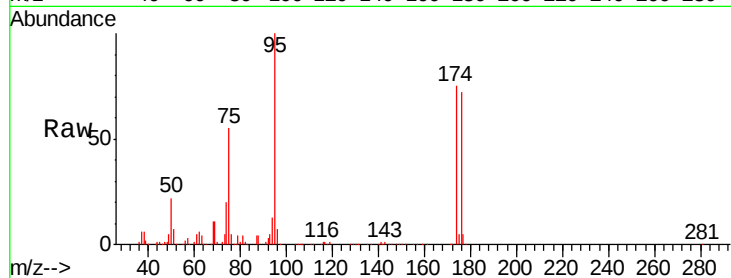




#62
4-Bromofluorobenzene
Concen: 45.481 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.00 min
Lab File: VN058373.D
Acq: 26 Sep 2019 10:33

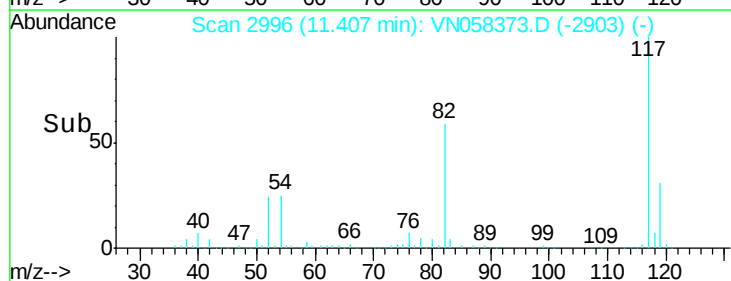
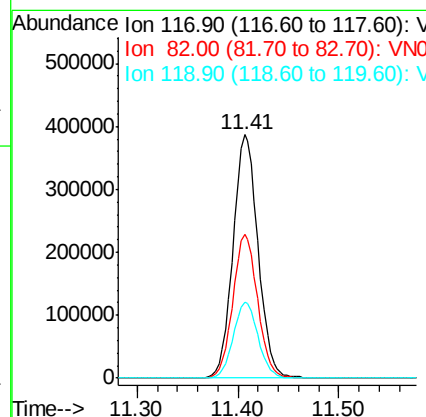
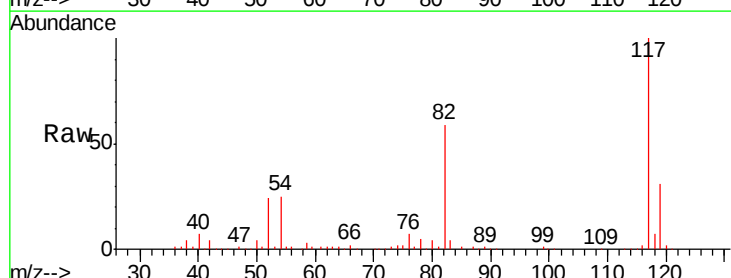
Instrument :
MSVOA_N
ClientSampleId :
VN0926MBL01

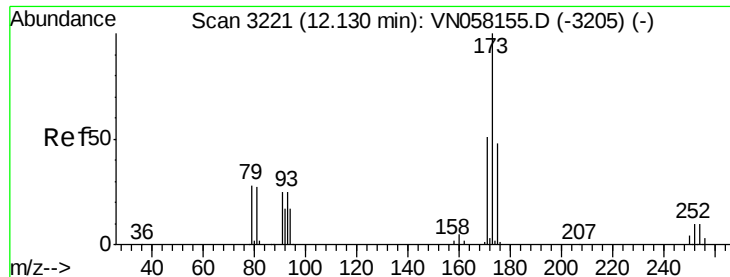
Tgt Ion: 95 Resp: 316370
Ion Ratio Lower Upper
95 100
174 74.8 0.0 152.2
176 71.7 0.0 148.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058373.D
Acq: 26 Sep 2019 10:33

Tgt Ion: 117 Resp: 668001
Ion Ratio Lower Upper
117 100
82 59.0 46.9 70.3
119 31.1 25.3 37.9





#71

Bromoform

Concen: 3.870 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN058373.D

Acq: 26 Sep 2019 10:33

Instrument :

MSVOA_N

ClientSampleId :

VN0926MBL01

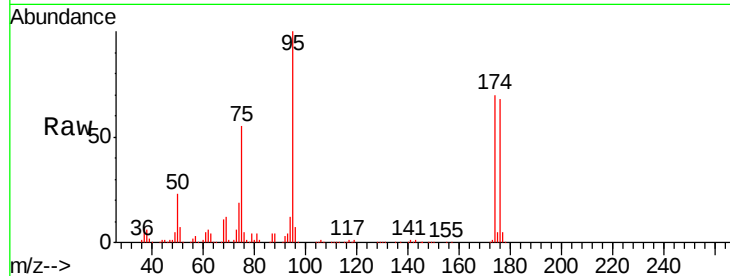
Tgt Ion:173 Resp: 934

Ion Ratio Lower Upper

173 100

175 1523.1 24.2 72.6#

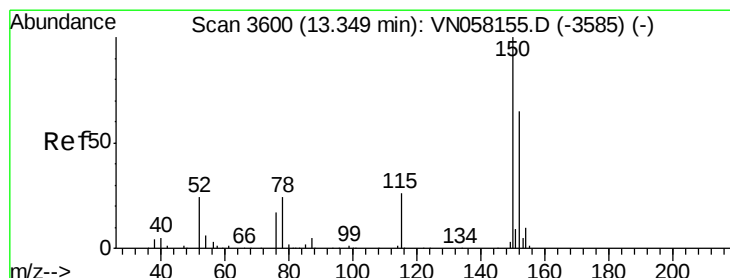
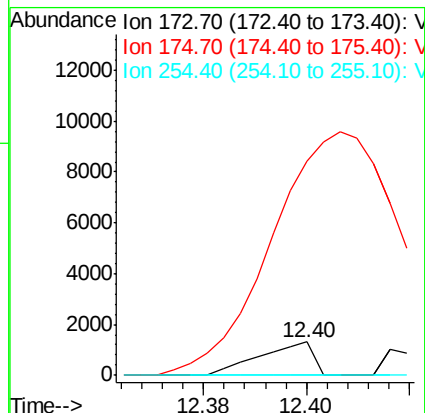
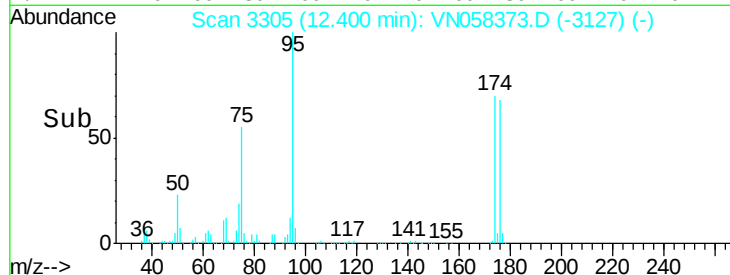
254 0.0 0.1 0.1#



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: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058373.D

Acq: 26 Sep 2019 10:33

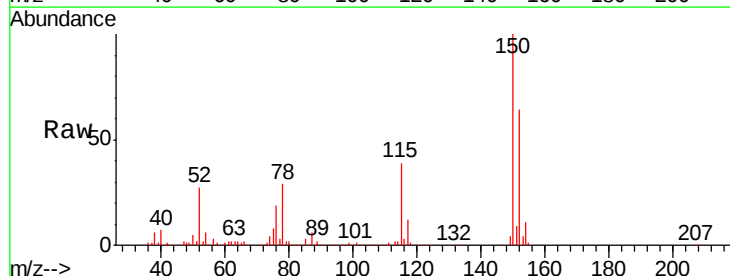
Tgt Ion:152 Resp: 260317

Ion Ratio Lower Upper

152 100

115 61.6 30.1 90.3

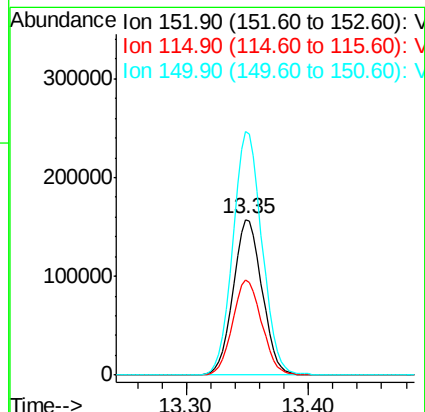
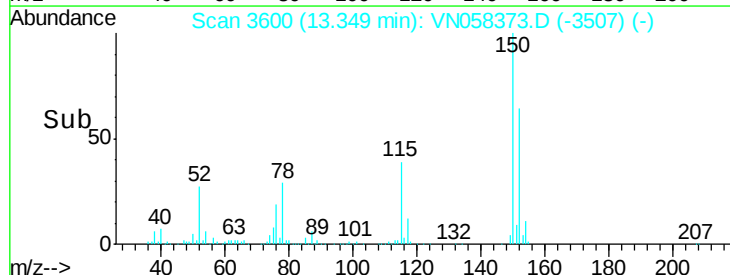
150 157.7 0.0 346.4

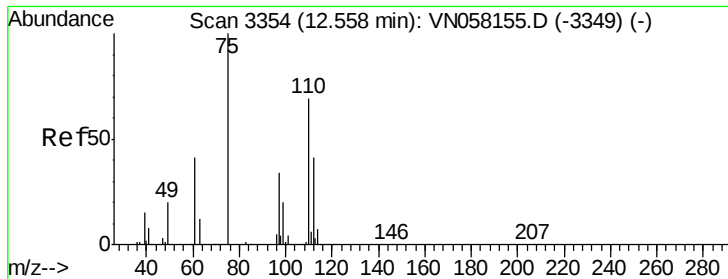


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 37.535 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN058373.D

Acq: 26 Sep 2019 10:33

Instrument :

MSVOA_N

ClientSampleId :

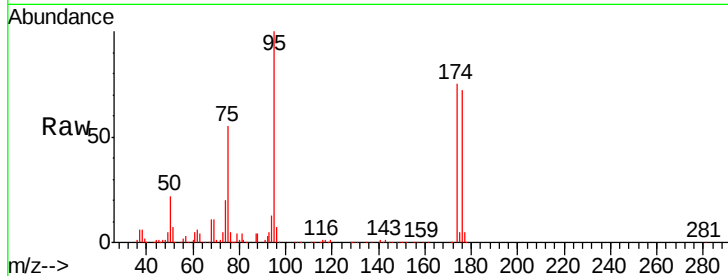
VN0926MBL01

Tgt Ion: 75 Resp: 174871

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO

120000

100000

80000

60000

40000

20000

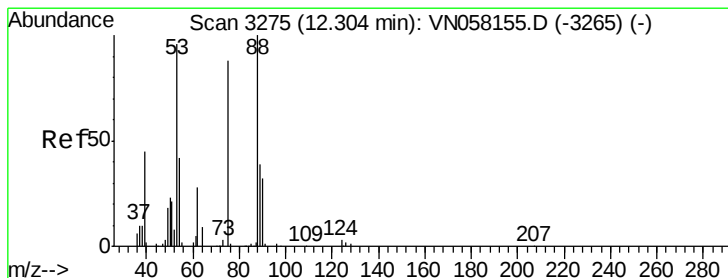
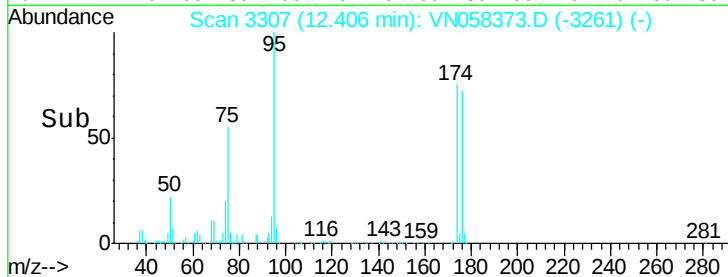
0

12.41

12.40

12.50

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 104.580 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN058373.D

Acq: 26 Sep 2019 10:33

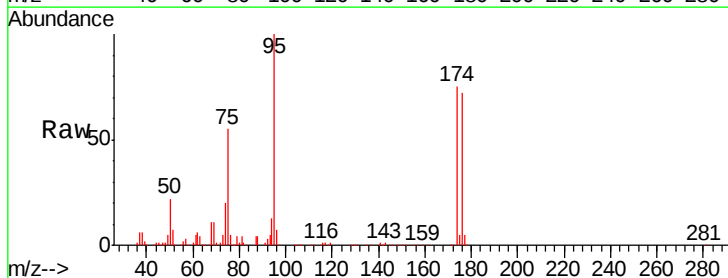
Tgt Ion: 75 Resp: 174871

Ion Ratio Lower Upper

75 100

53 0.0 90.1 135.1#

89 0.0 36.2 54.2#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

100000

50000

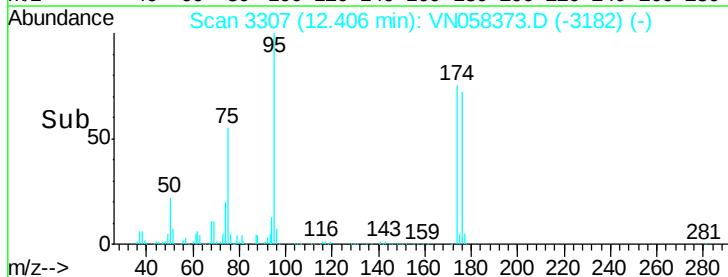
0

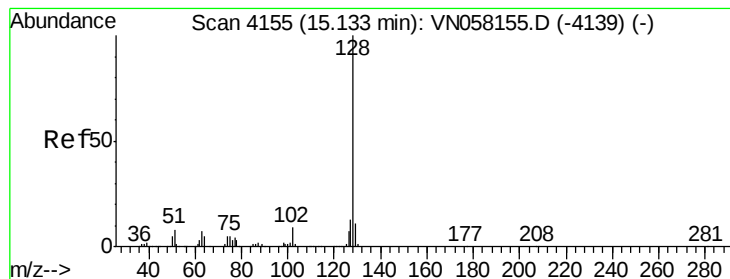
12.41

12.40

12.50

Time-->





#95

Naphthalene

Concen: 0.352 ug/l

RT: 15.14 min Scan# 4157

Delta R.T. 0.01 min

Lab File: VN058373.D

Acq: 26 Sep 2019 10:33

Instrument :

MSVOA_N

ClientSampleId :

VN0926MBL01

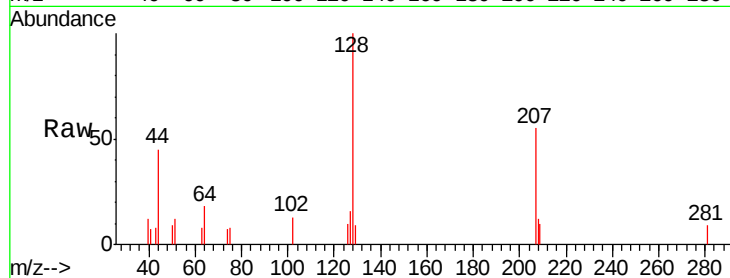
Tgt Ion:128 Resp: 4377

Ion Ratio Lower Upper

128 100

127 9.2 10.2 15.2#

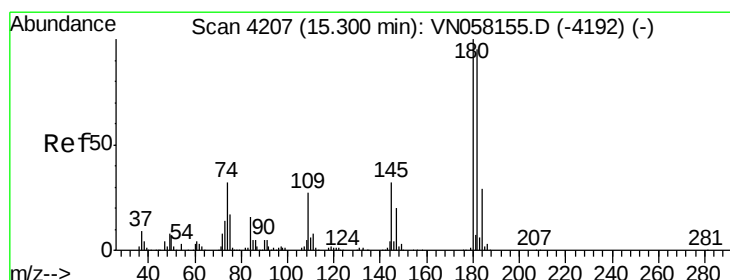
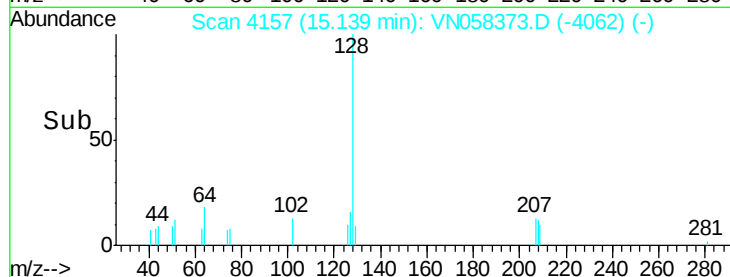
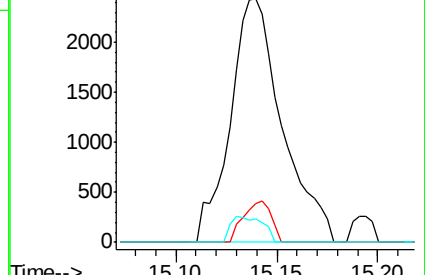
129 6.5 8.6 12.8#



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: 0.275 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.01 min

Lab File: VN058373.D

Acq: 26 Sep 2019 10:33

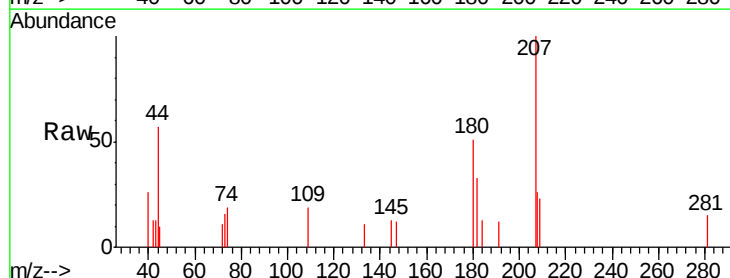
Tgt Ion:180 Resp: 1248

Ion Ratio Lower Upper

180 100

182 91.4 47.4 142.2

145 21.6 16.1 48.2



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

