

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102619\
 Data File : VN058977.D
 Acq On : 25 Oct 2019 11:26
 Operator : JC/SP
 Sample : K5542-21
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 25 23:02:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	327298	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	518941	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	469903	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	174536	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	243449	50.72	ug/l	0.00
Spiked Amount						
			Recovery	=	101.44%	
35) Dibromofluoromethane	7.57	113	175252	51.36	ug/l	0.00
Spiked Amount						
			Recovery	=	102.72%	
50) Toluene-d8	10.08	98	646847	48.84	ug/l	0.00
Spiked Amount						
			Recovery	=	97.68%	
62) 4-Bromofluorobenzene	12.40	95	205866	42.33	ug/l	0.00
Spiked Amount						
			Recovery	=	84.66%	

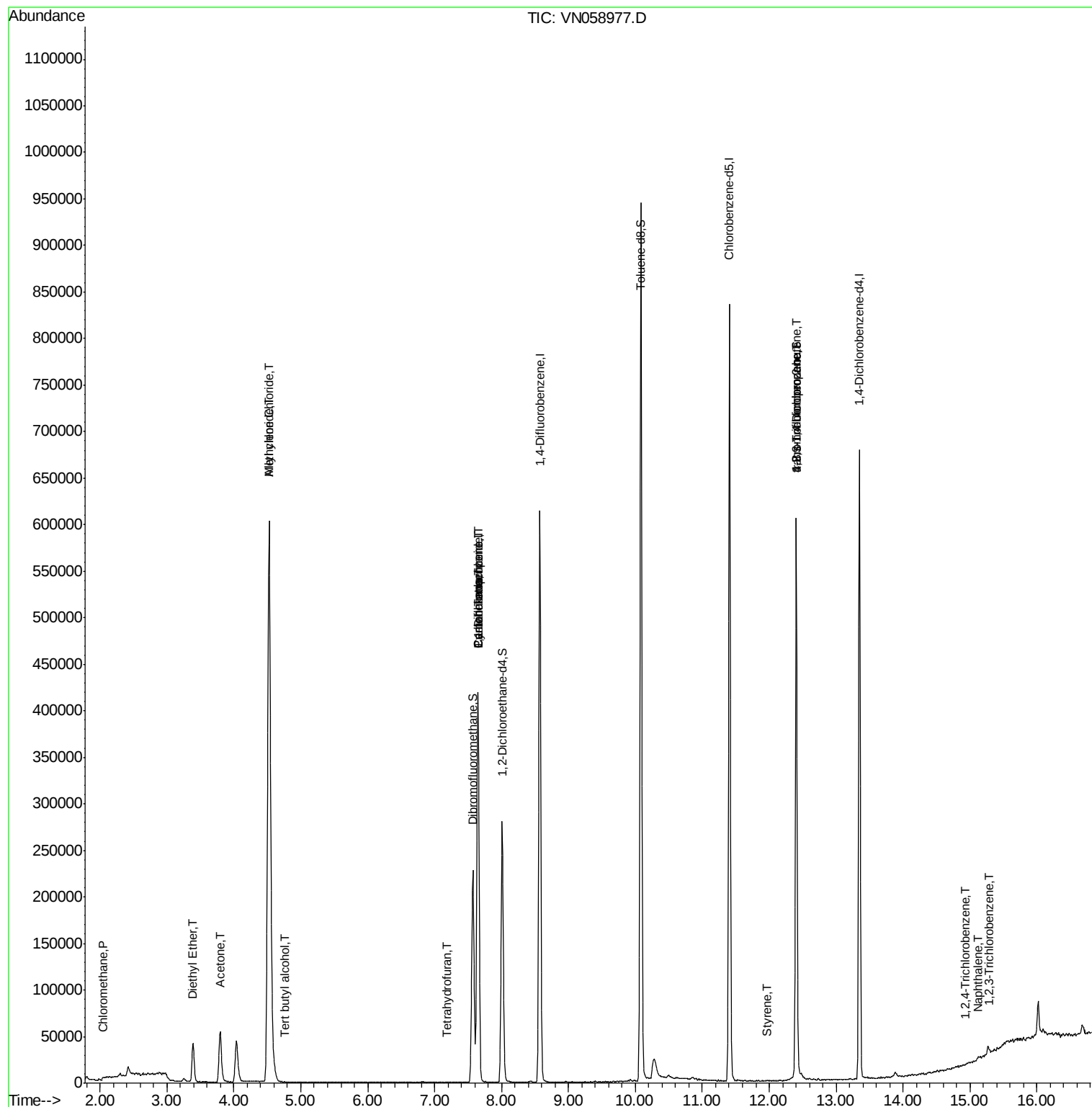
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1081	0.214	ug/l #	84
8) Diethyl Ether	3.39	74	19684	9.174	ug/l	98
11) Tert butyl alcohol	4.75	59	434	0.545	ug/l #	72
14) Allyl chloride	4.53	41	18278	2.800	ug/l #	25
16) Acetone	3.79	43	95314	40.182	ug/l	98
20) Methylene Chloride	4.53	84	463953	114.547	ug/l	99
29) Tetrahydrofuran	7.20	42	387	0.205	ug/l #	57
31) Cyclohexane	7.65	56	7624	1.105	ug/l #	1
36) 1,1-Dichloropropene	7.65	75	28180	5.304	ug/l #	47
38) Carbon Tetrachloride	7.65	117	32653	5.966	ug/l #	17
70) Styrene	11.97	104	233	1.734	ug/l #	24
76) 1,2,3-Trichloropropane	12.40	75	109676	27.114	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	109676	70.633	ug/l #	10
93) 1,2,4-Trichlorobenzene	14.92	180	232	2.584	ug/l #	86
95) Naphthalene	15.14	128	836	2.305	ug/l #	78
96) 1,2,3-Trichlorobenzene	15.29	180	102	2.423	ug/l #	10

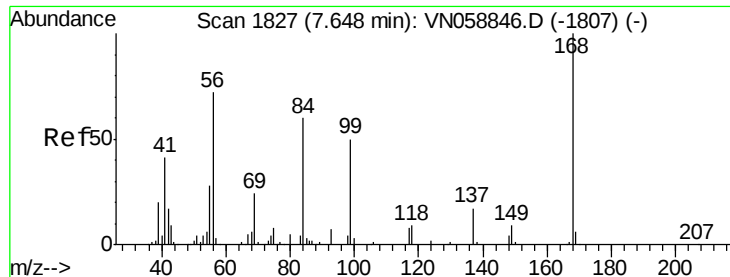
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Oct 19 00:16:20 2019
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: VN058977.D

Acq: 25 Oct 2019 11:26

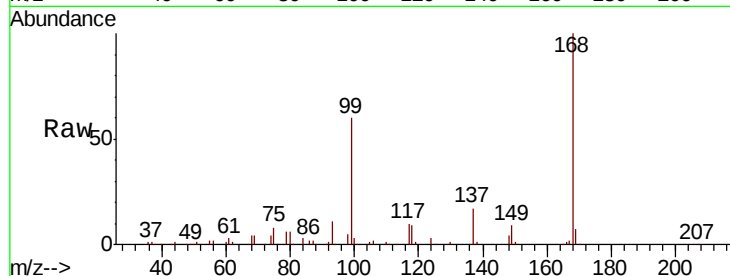
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 327298

Ion Ratio Lower Upper

168 100

99 60.0 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

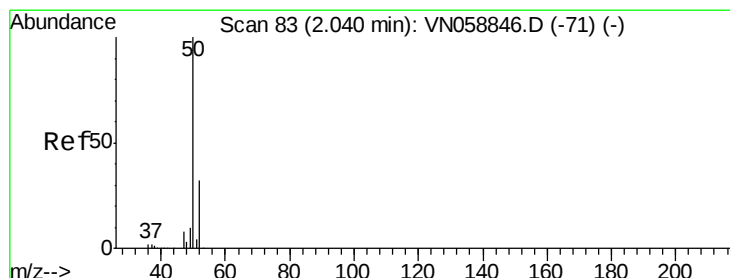
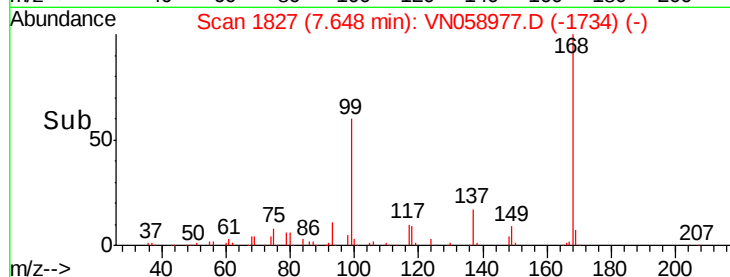
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.214 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058977.D

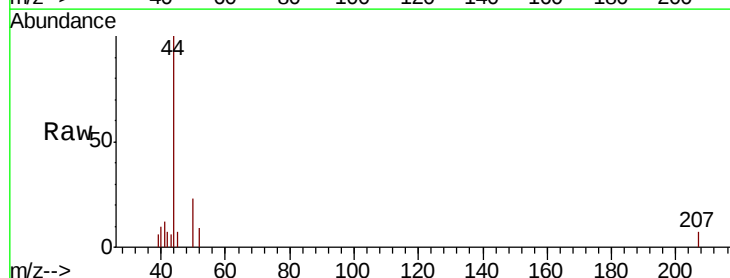
Acq: 25 Oct 2019 11:26

Tgt Ion: 50 Resp: 1081

Ion Ratio Lower Upper

50 100

52 41.3 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.04

800

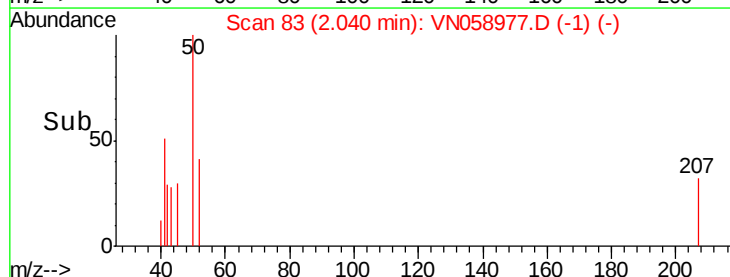
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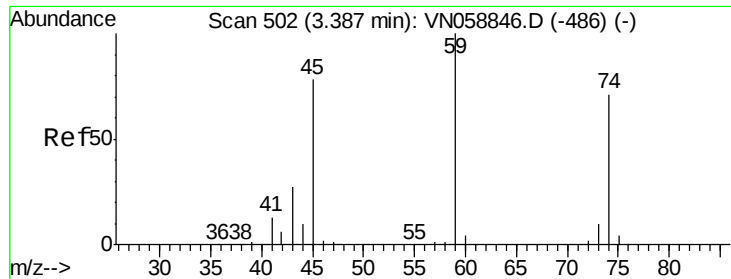
400

200

0

Time-->





#8

Diethyl Ether

Concen: 9.174 ug/l

RT: 3.39 min Scan# 503

Delta R.T. 0.00 min

Lab File: VN058977.D

Acq: 25 Oct 2019 11:26

Instrument :

MSVOA_N

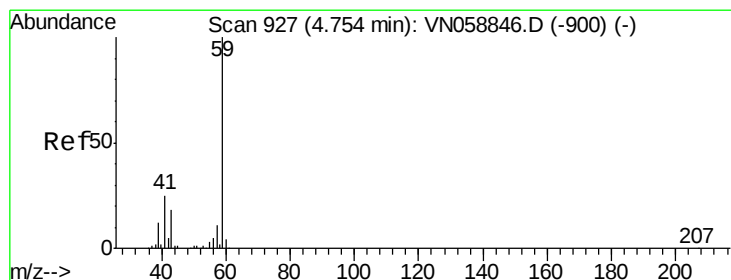
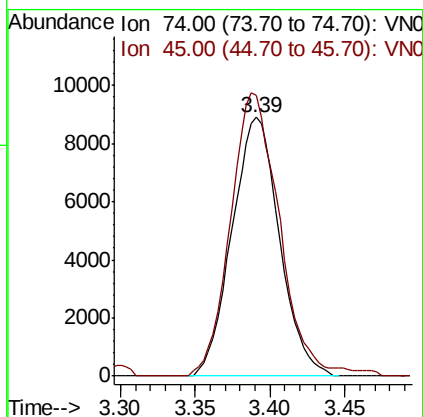
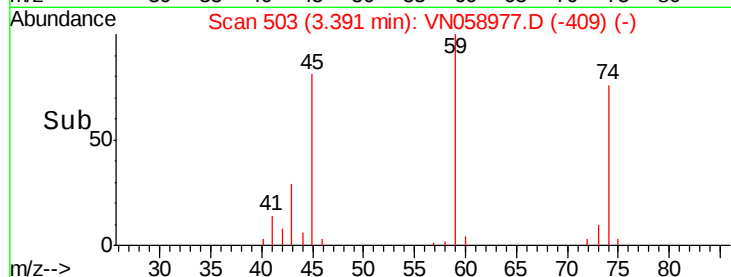
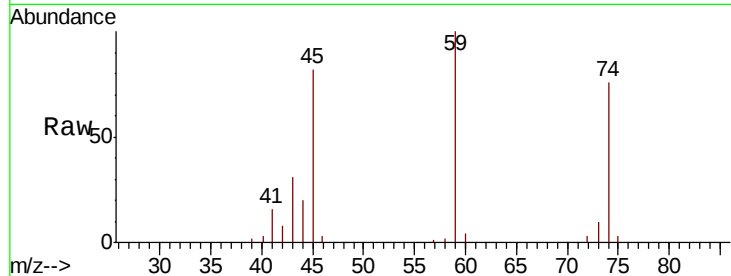
ClientSampled :

Tot Ion: 74 Resp: 19684

Ion Ratio Lower Upper

74 100

45 111.5 54.9 164.5



#11

Tert butyl alcohol

Concen: 0.545 ug/l

RT: 4.75 min Scan# 925

Delta R.T. -0.01 min

Lab File: VN058977.D

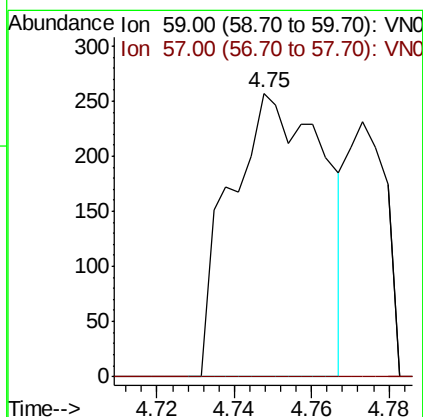
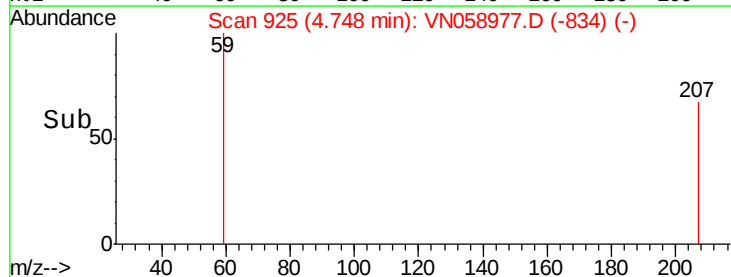
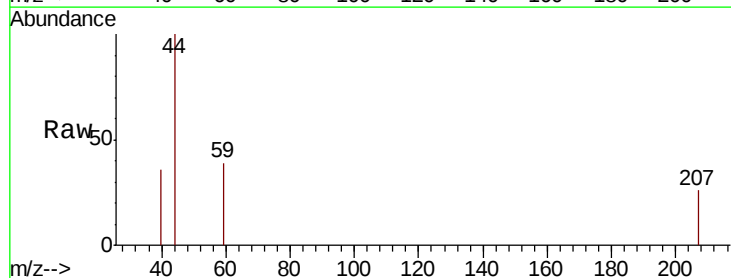
Acq: 25 Oct 2019 11:26

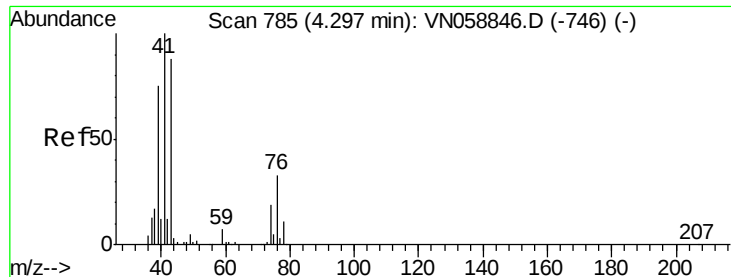
Tgt Ion: 59 Resp: 434

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#





#14

Allvl chloride

Concen: 2.800 ug/l

RT: 4.53 min Scan# 857

Delta R.T. 0.23 min

Lab File: VN058977.D

Acq: 25 Oct 2019 11:26

Instrument :

MSVOA_N

ClientSampled :

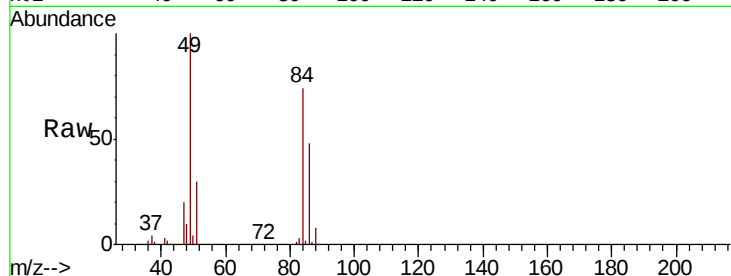
Tot Ion: 41 Resp: 18278

Ion Ratio Lower Upper

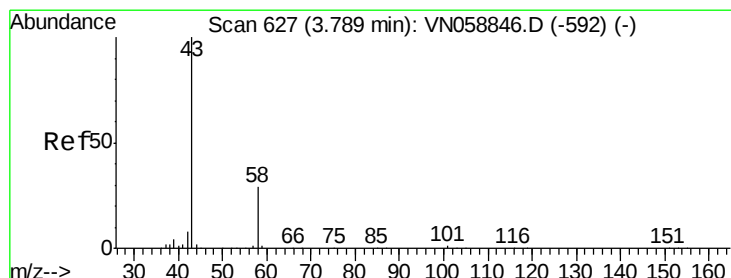
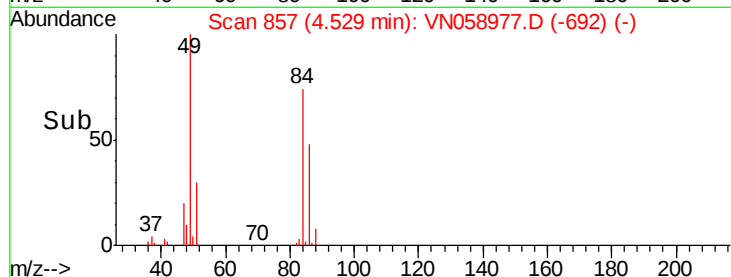
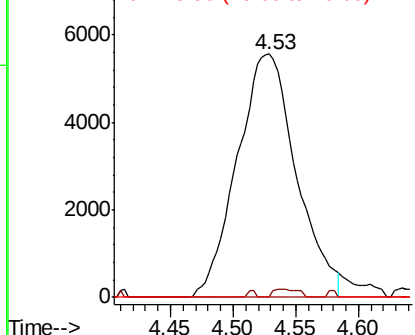
41 100

39 1.4 55.9 83.9#

76 0.0 24.1 36.1#



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: 40.182 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN058977.D

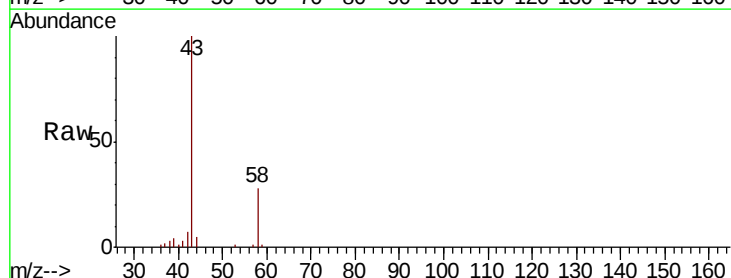
Acq: 25 Oct 2019 11:26

Tgt Ion: 43 Resp: 95314

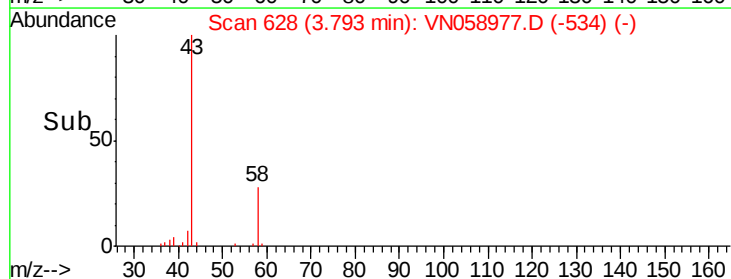
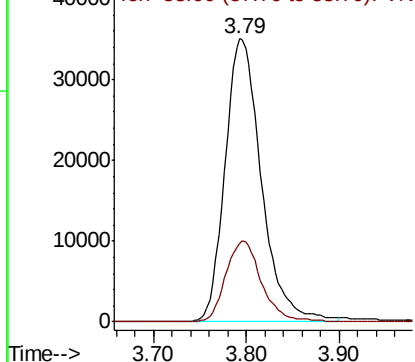
Ion Ratio Lower Upper

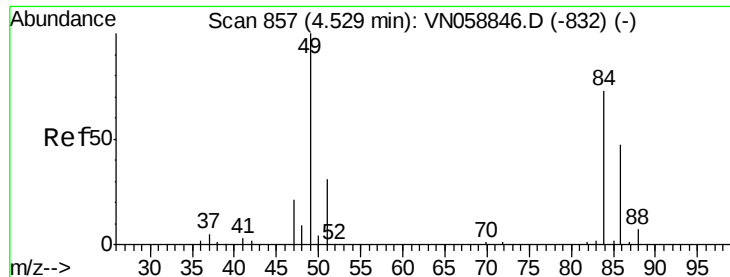
43 100

58 27.9 23.1 34.7



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

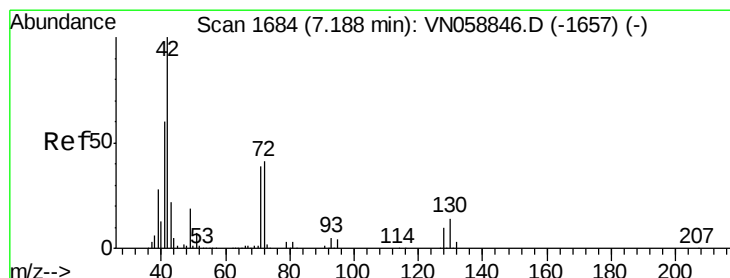
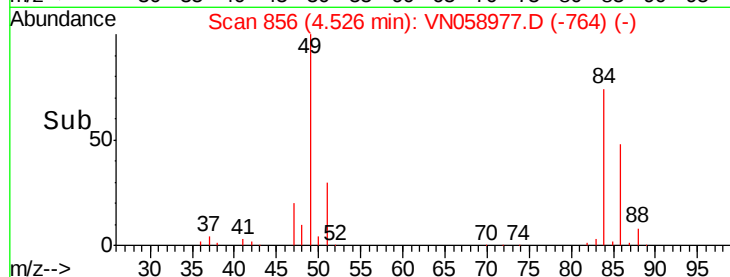
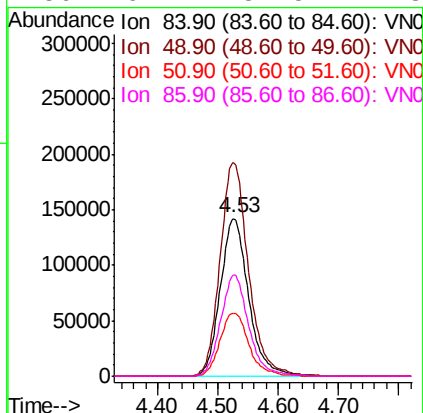
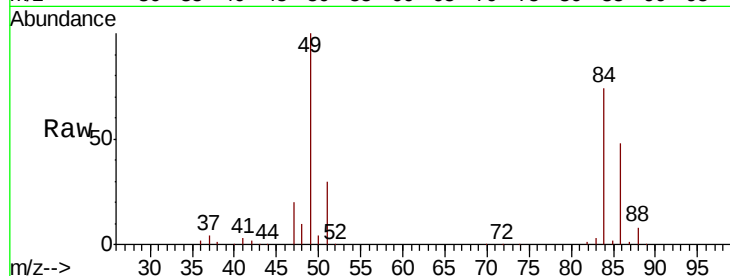




#20
Methylene Chloride
Concen: 114.547 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN058977.D
Acq: 25 Oct 2019 11:26

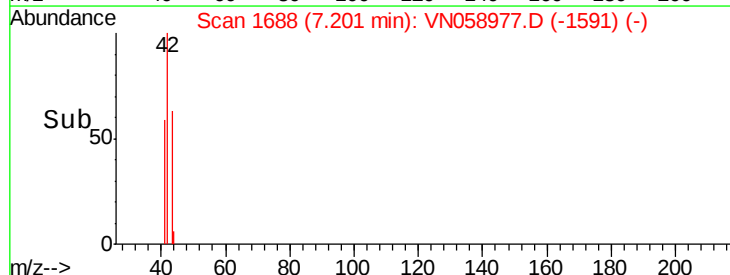
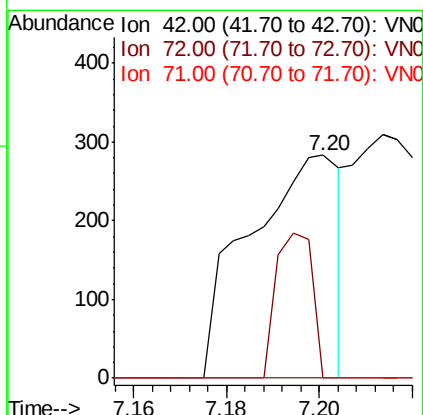
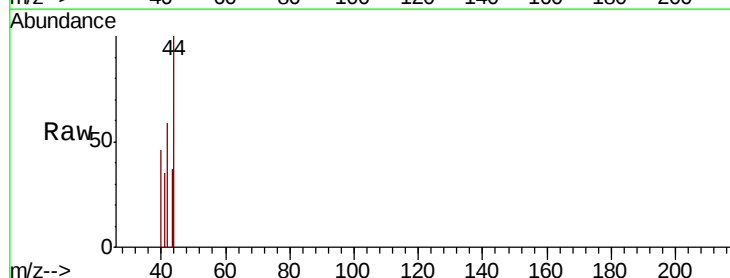
Instrument :
MSVOA_N
ClientSampled :

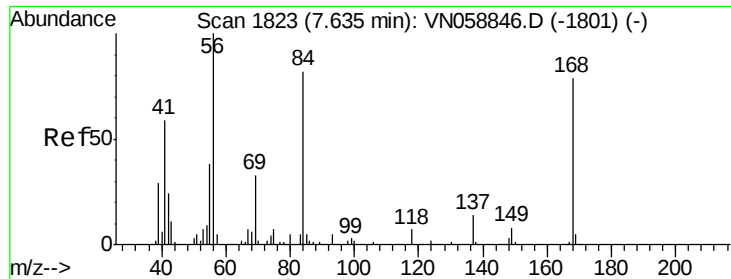
Tot Ion:	84	Resp:	463953
Ion	Ratio	Lower	Upper
84	100		
49	135.3	109.6	164.4
51	40.0	33.8	50.6
86	64.4	51.5	77.3



#29
Tetrahydrofuran
Concen: 0.205 ug/l
RT: 7.20 min Scan# 1688
Delta R.T. 0.01 min
Lab File: VN058977.D
Acq: 25 Oct 2019 11:26

Tgt Ion:	42	Resp:	387
Ion	Ratio	Lower	Upper
42	100		
72	25.8	32.2	48.2#
71	0.0	30.6	45.8#

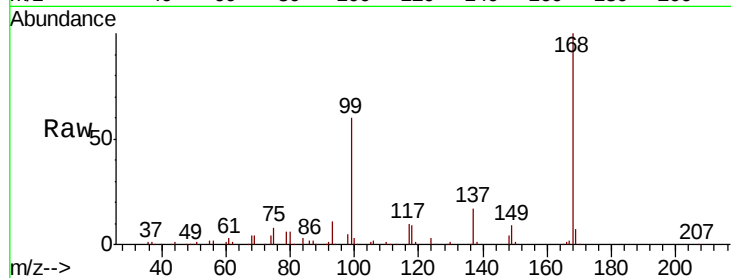




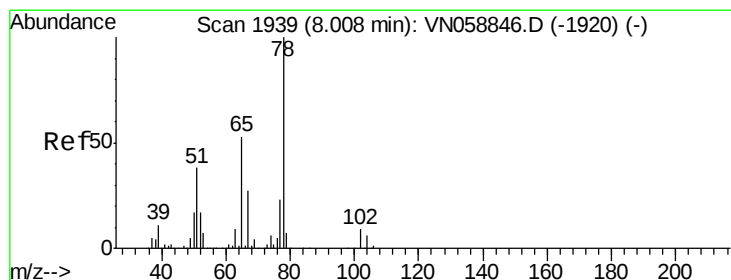
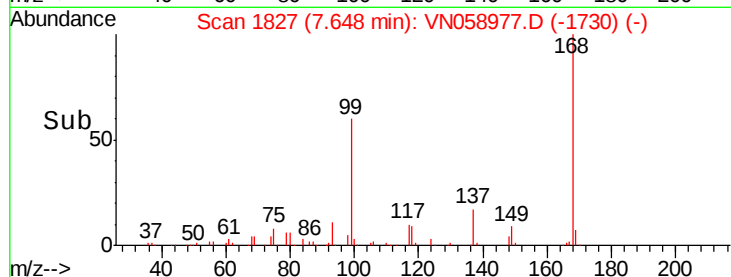
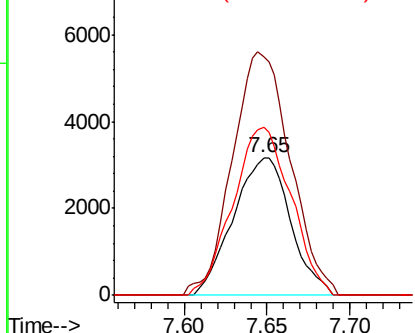
#31
Cyclohexane
Concen: 1.105 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.01 min
Lab File: VN058977.D
Acq: 25 Oct 2019 11:26

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 7624
Ion Ratio Lower Upper
56 100
69 173.9 26.2 39.4#
84 122.2 65.6 98.4#

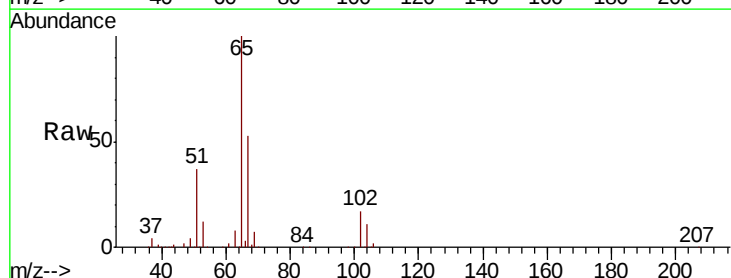


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

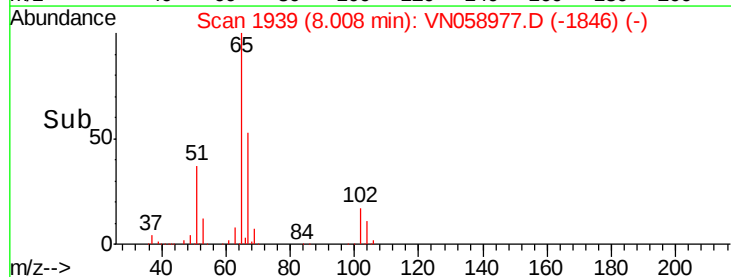
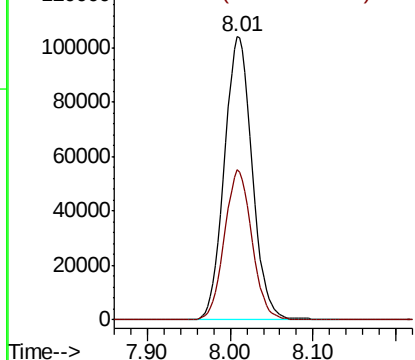


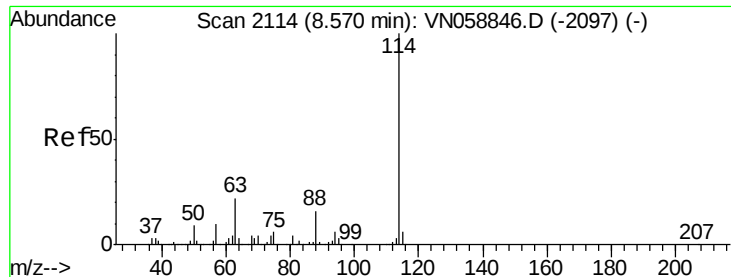
#33
1,2-Dichloroethane-d4
Concen: 50.715 ug/l
RT: 8.01 min Scan# 1939
Delta R.T. 0.00 min
Lab File: VN058977.D
Acq: 25 Oct 2019 11:26

Tgt Ion: 65 Resp: 243449
Ion Ratio Lower Upper
65 100
67 52.3 0.0 103.2



Abundance Ion 64.90 (64.60 to 65.60): VNO
Ion 66.90 (66.60 to 67.60): VNO

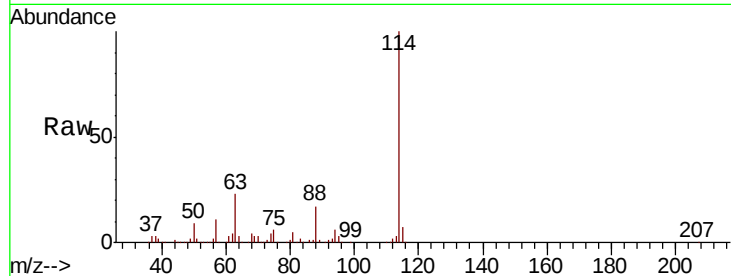




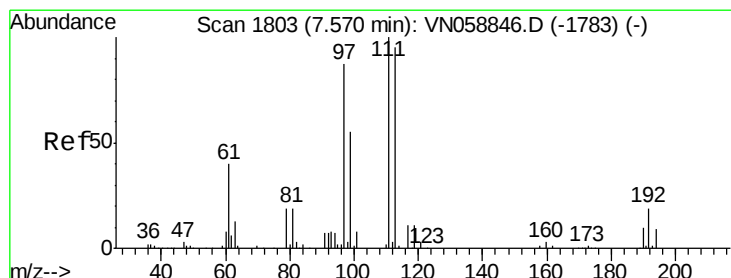
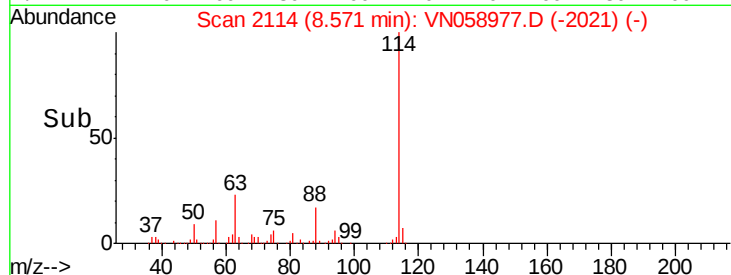
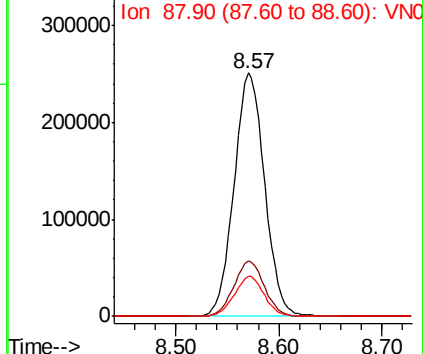
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN058977.D
 Acq: 25 Oct 2019 11:26

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.8	0.0	44.4
88	16.5	0.0	31.4

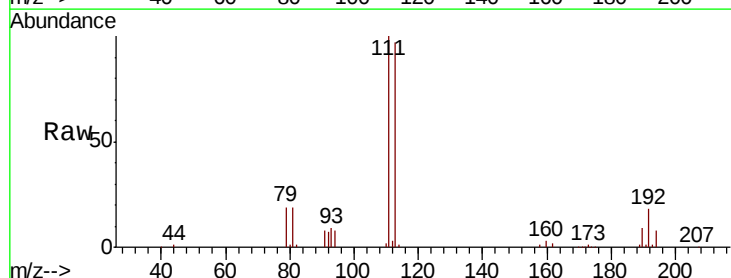


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

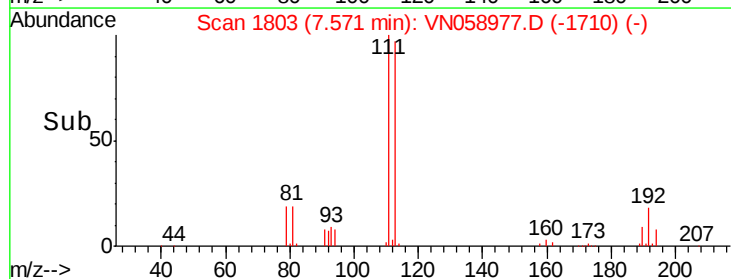
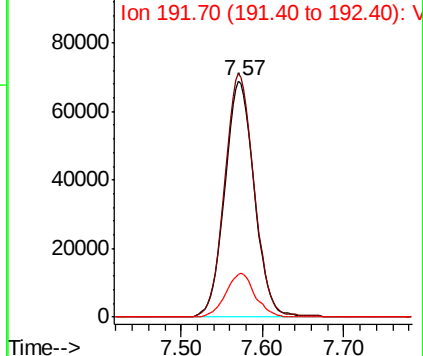


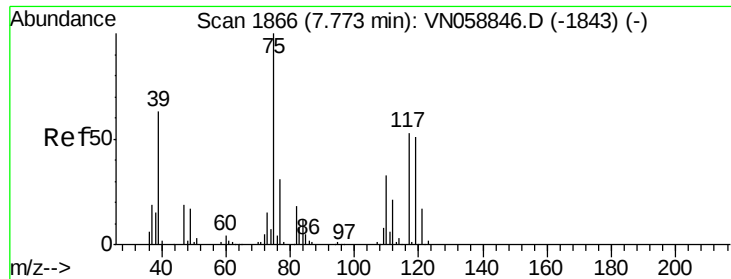
#35
 Dibromofluoromethane
 Concen: 51.365 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN058977.D
 Acq: 25 Oct 2019 11:26

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.0	123.0
192	18.3	15.0	22.6



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

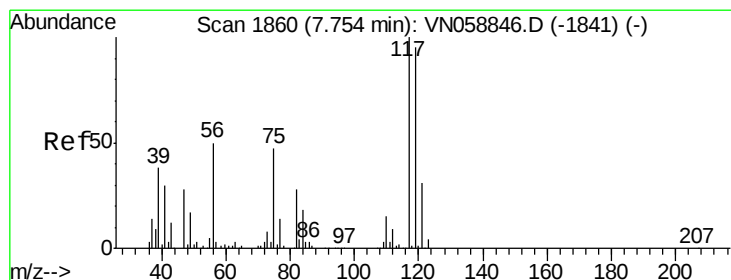
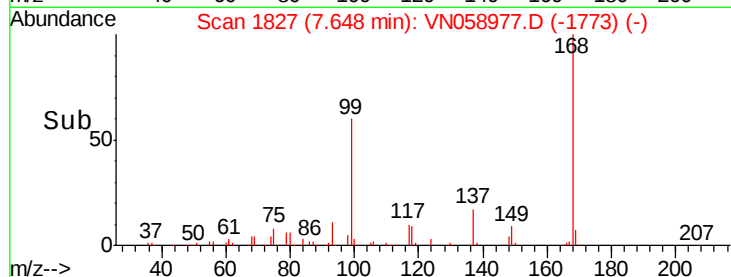
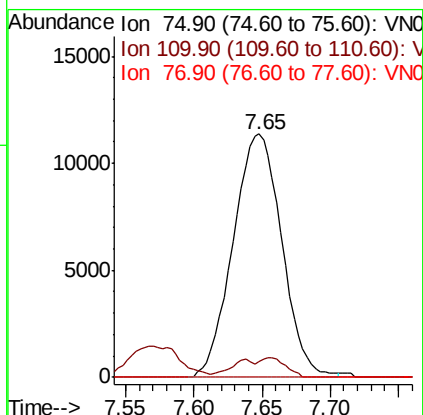
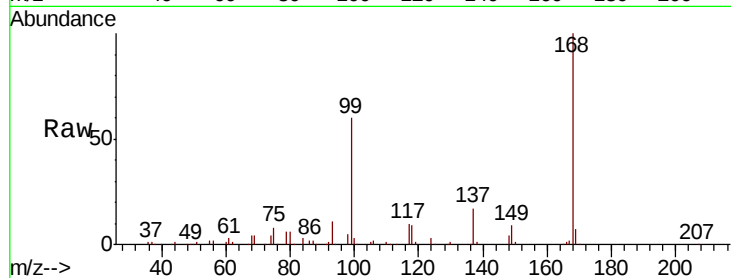




#36
 1,1-Dichloropropene
 Concen: 5.304 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN058977.D
 Acq: 25 Oct 2019 11:26

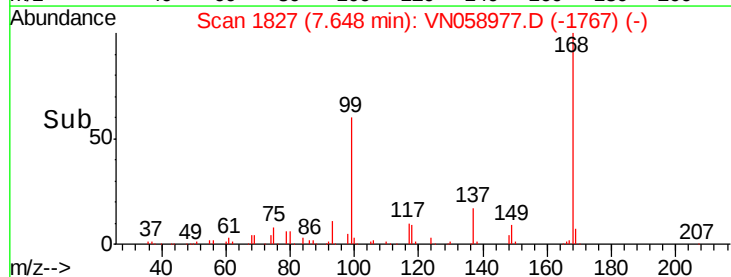
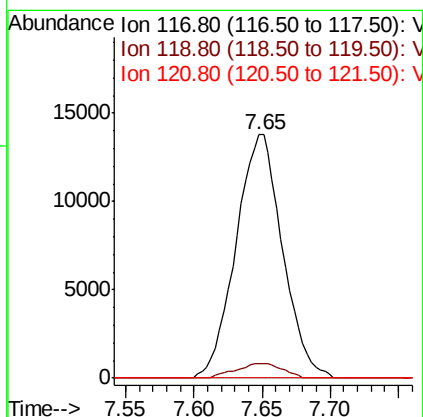
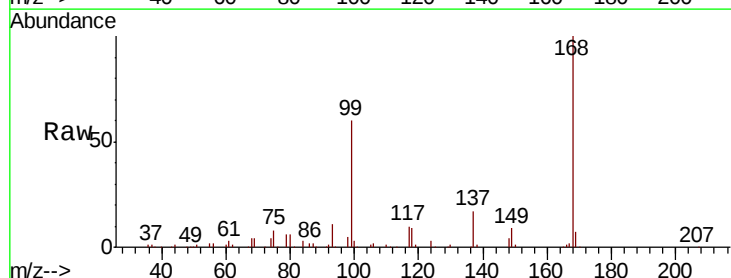
Instrument :
 MSVOA_N
 ClientSampled :

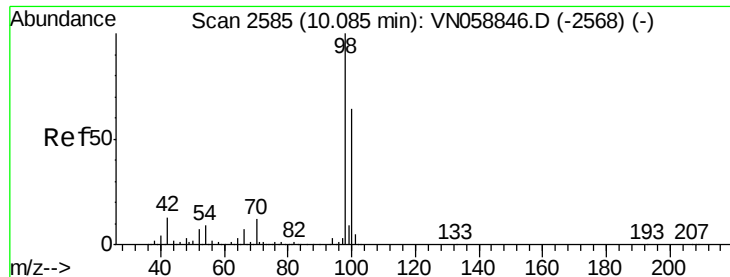
Tot Ion	Ratio	Lower	Upper
75	100		
110	4.3	16.3	48.9#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 5.966 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.11 min
 Lab File: VN058977.D
 Acq: 25 Oct 2019 11:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.1	75.7	113.5#
121	0.0	25.0	37.6#





#50

Toluene-d8

Concen: 48.839 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. -0.00 min

Lab File: VN058977.D

Acq: 25 Oct 2019 11:26

Instrument :

MSVOA_N

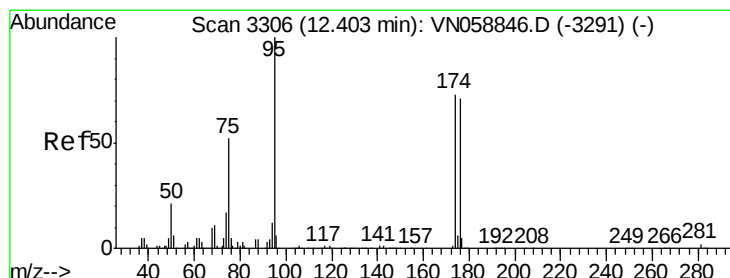
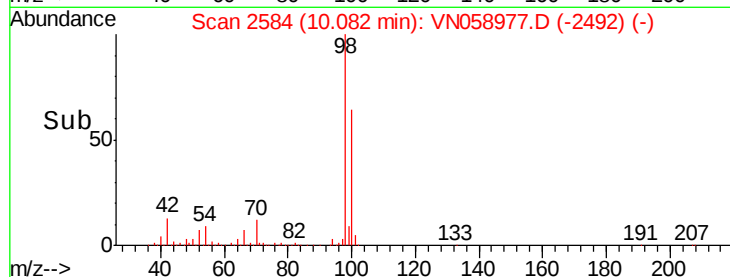
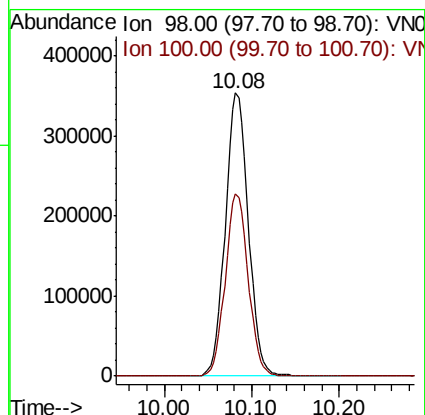
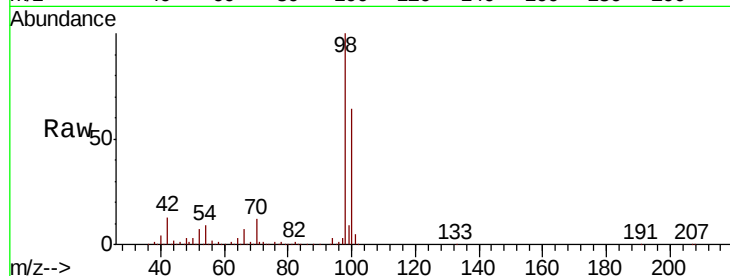
ClientSampleId :

Tot Ion: 98 Resp: 646847

Ion Ratio Lower Upper

98 100

100 64.2 51.4 77.2



#62

4-Bromofluorobenzene

Concen: 42.327 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058977.D

Acq: 25 Oct 2019 11:26

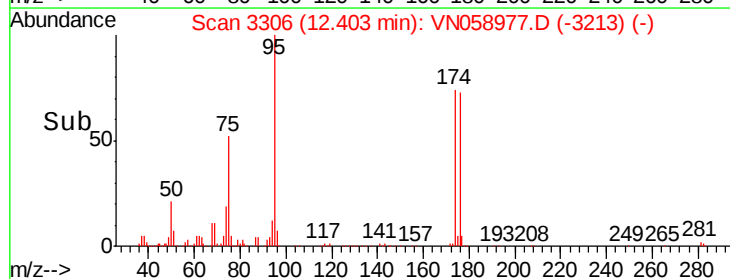
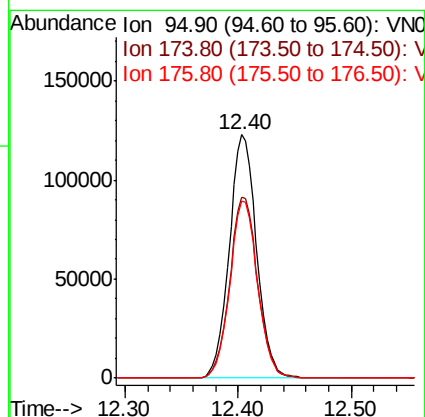
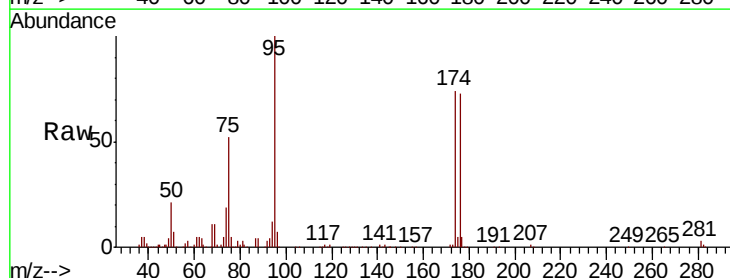
Tgt Ion: 95 Resp: 205866

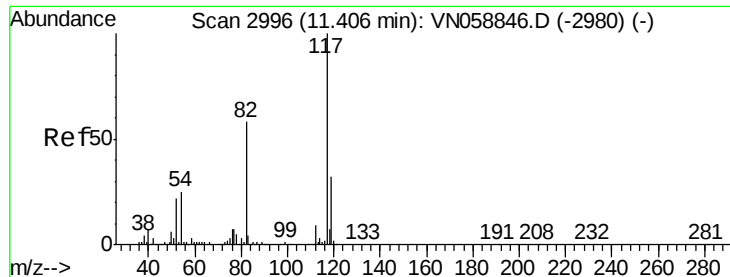
Ion Ratio Lower Upper

95 100

174 76.4 0.0 147.6

176 73.8 0.0 143.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN058977.D

Acq: 25 Oct 2019 11:26

Instrument :

MSVOA_N

ClientSampleId :

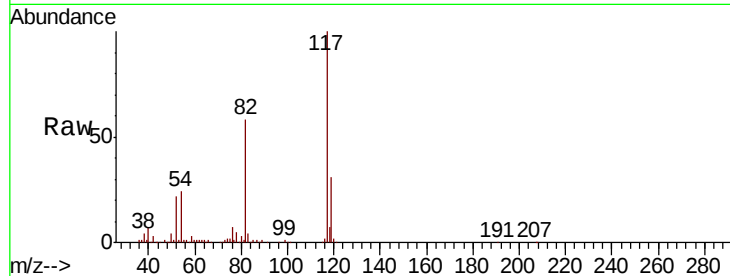
Tot Ion:117 Resp: 469903

Ion Ratio Lower Upper

117 100

82 58.0 46.6 69.8

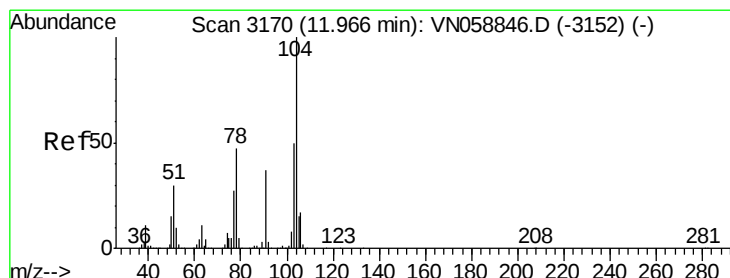
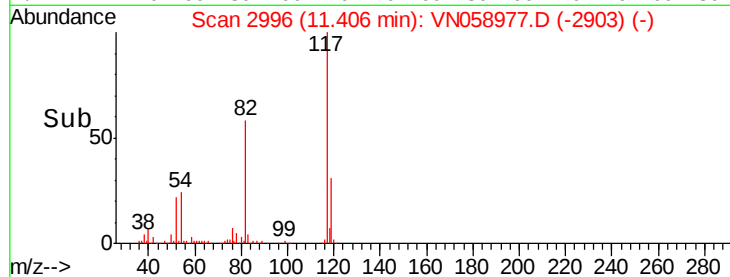
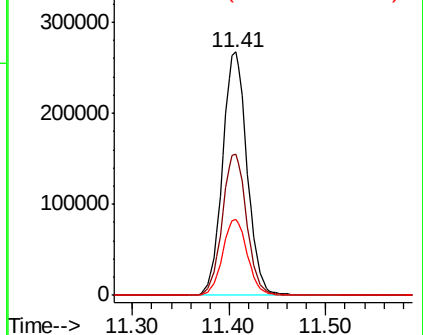
119 31.3 25.6 38.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): V



#70

Styrene

Concen: 1.734 ug/l

RT: 11.97 min Scan# 3170

Delta R.T. 0.00 min

Lab File: VN058977.D

Acq: 25 Oct 2019 11:26

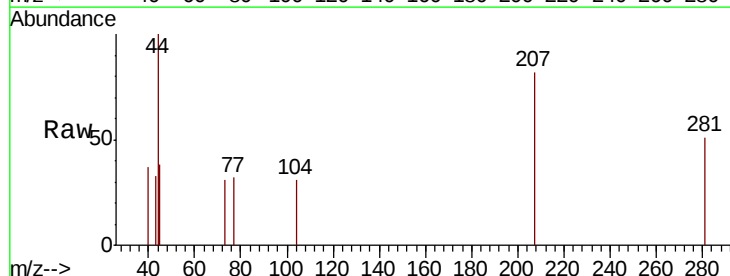
Tgt Ion:104 Resp: 233

Ion Ratio Lower Upper

104 100

78 0.0 42.8 64.2#

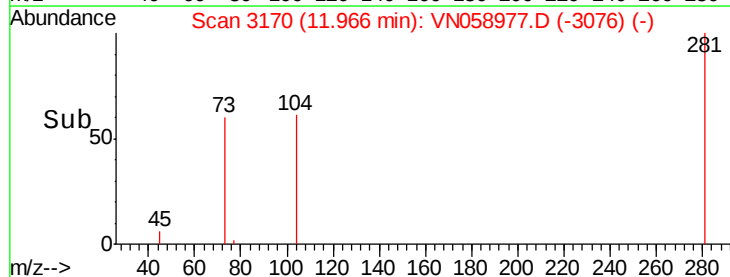
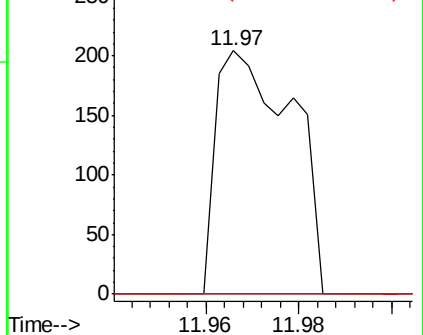
103 0.0 44.3 66.5#

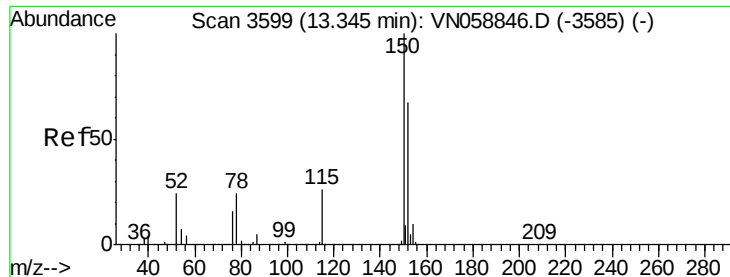


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN0

Ion 103.00 (102.70 to 103.70): 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: VN058977.D

Acq: 25 Oct 2019 11:26

Instrument :

MSVOA_N

ClientSampleId :

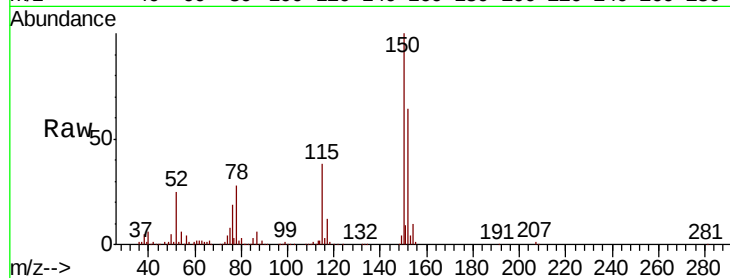
Tot Ion:152 Resp: 174536

Ion Ratio Lower Upper

152 100

115 60.6 30.5 91.5

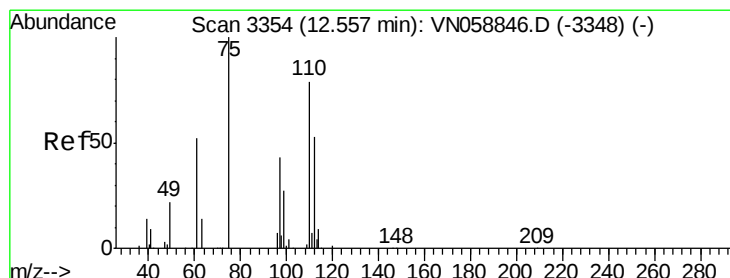
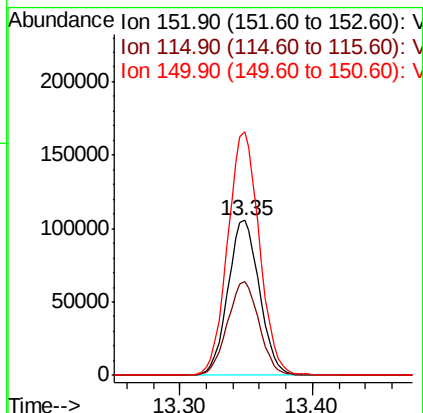
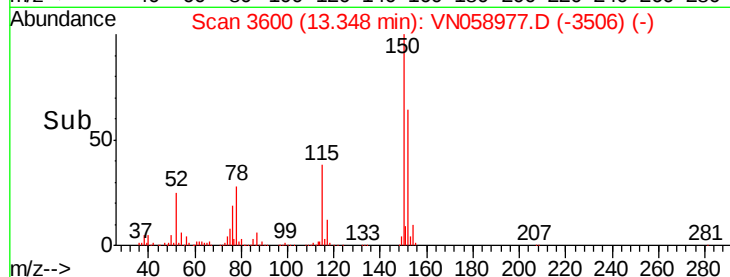
150 157.5 0.0 344.4



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: 27.114 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN058977.D

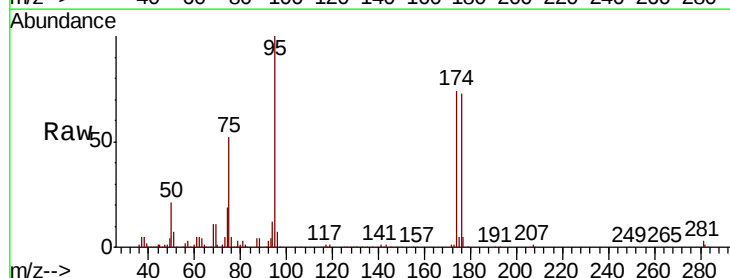
Acq: 25 Oct 2019 11:26

Tgt Ion: 75 Resp: 109676

Ion Ratio Lower Upper

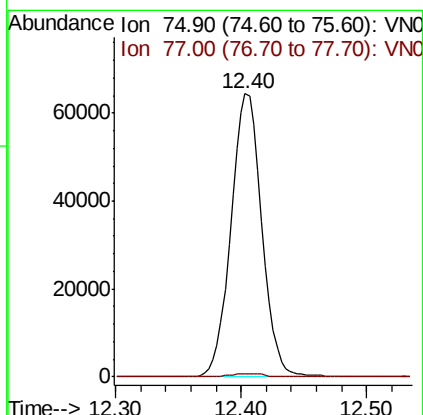
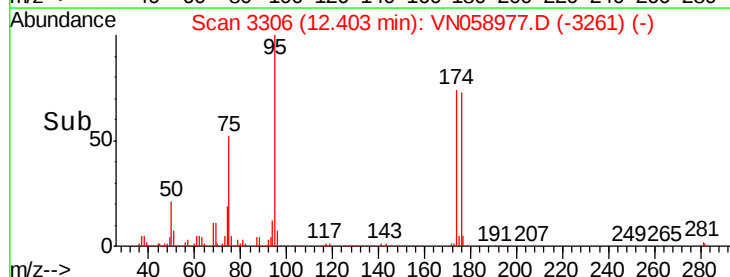
75 100

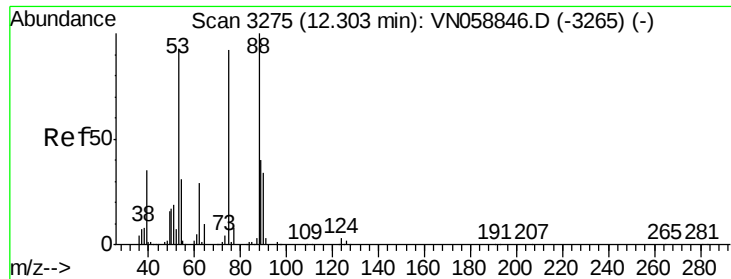
77 0.7 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

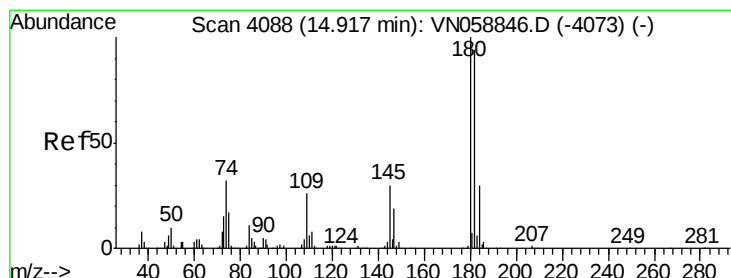
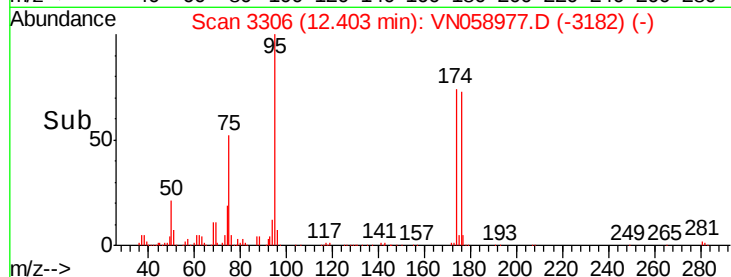
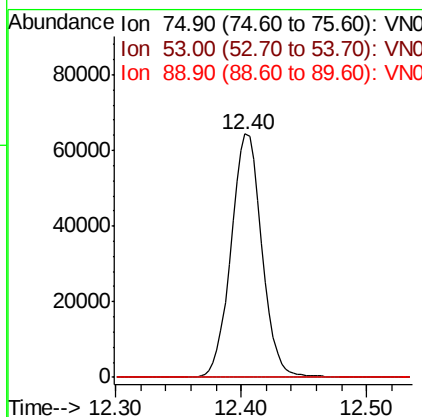
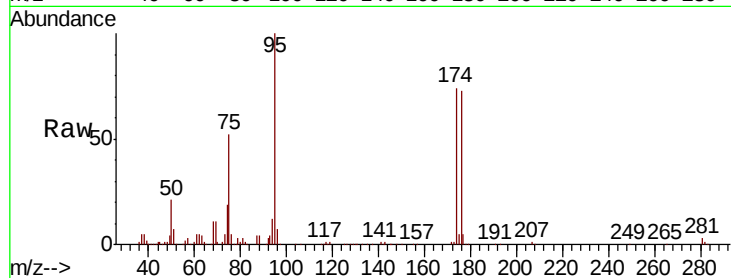




#81
trans-1,4-Dichloro-2-butene
Concen: 70.633 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.10 min
Lab File: VN058977.D
Acq: 25 Oct 2019 11:26

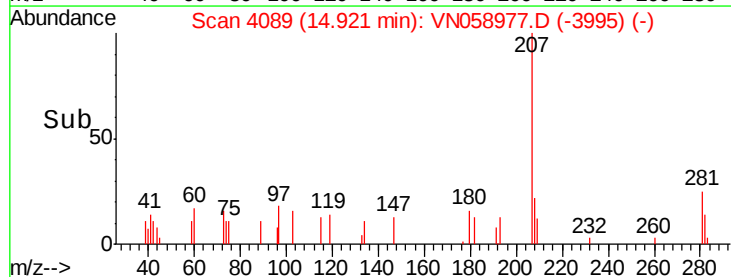
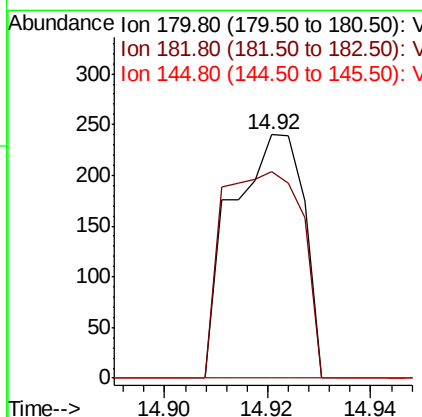
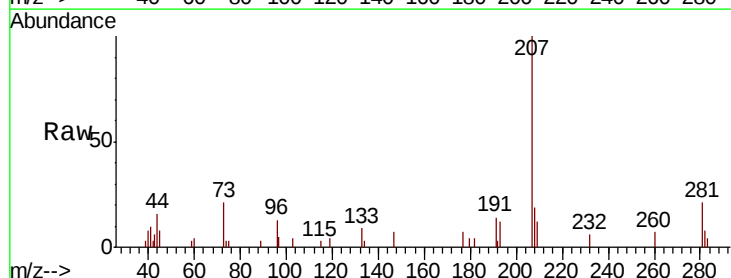
Instrument :
MSVOA_N
ClientSampled :

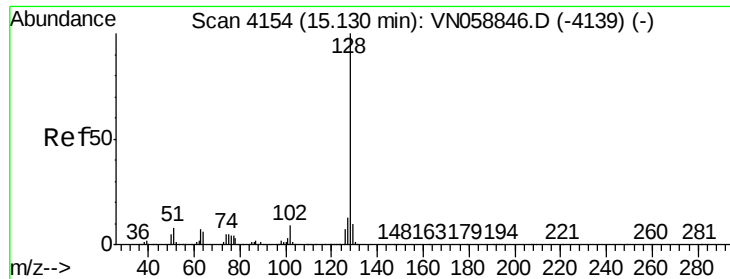
Tot Ion: 75 Resp: 109676
Ion Ratio Lower Upper
75 100
53 0.0 78.6 118.0#
89 0.0 35.4 53.0#



#93
1,2,4-Trichlorobenzene
Concen: 2.584 ug/l
RT: 14.92 min Scan# 4089
Delta R.T. 0.00 min
Lab File: VN058977.D
Acq: 25 Oct 2019 11:26

Tgt Ion:180 Resp: 232
Ion Ratio Lower Upper
180 100
182 94.0 47.3 142.0
145 0.0 15.3 45.8#





#95

Naphthalene

Concen: 2.305 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.01 min

Lab File: VN058977.D

Acq: 25 Oct 2019 11:26

Instrument :

MSVOA_N

ClientSampleId :

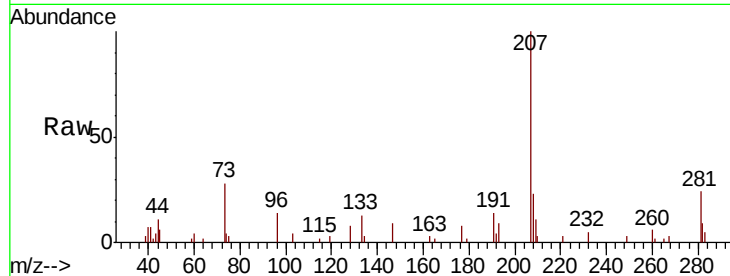
Tot Ion:128 Resp: 836

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

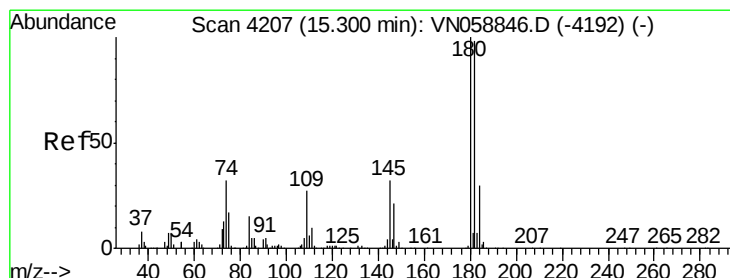
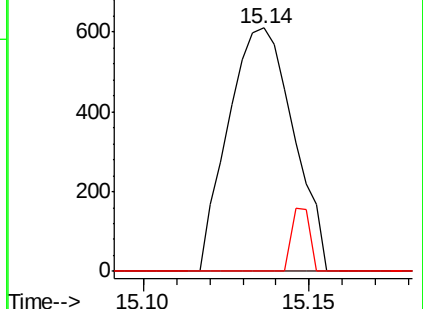
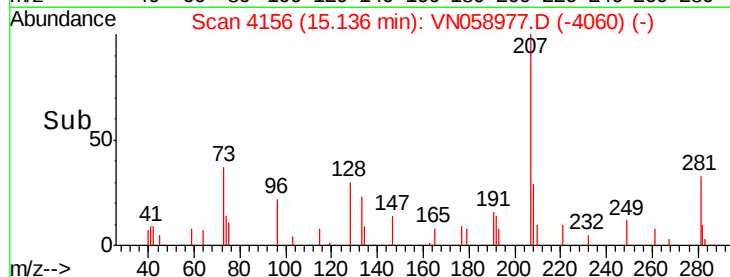
129 7.2 8.4 12.6#



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: 2.423 ug/l

RT: 15.29 min Scan# 4205

Delta R.T. -0.01 min

Lab File: VN058977.D

Acq: 25 Oct 2019 11:26

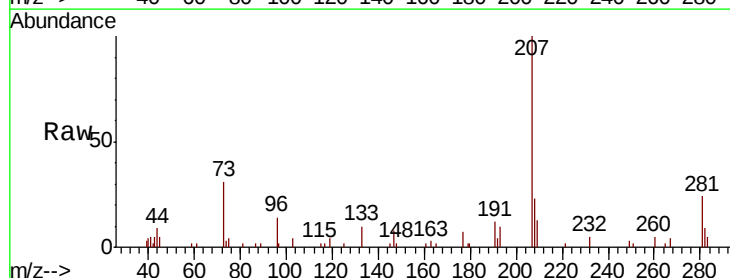
Tgt Ion:180 Resp: 102

Ion Ratio Lower Upper

180 100

182 30.4 47.9 143.7#

145 120.6 15.9 47.7#



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

