

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101519\
 Data File : VN058782.D
 Acq On : 15 Oct 2019 15:10
 Operator : JC/SP
 Sample : K5331-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-8

Quant Time: Oct 16 04:17:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 12 00:00:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	484324	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	801488	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	714400	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	291254	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	315708	46.56	ug/l	0.00
Spiked Amount			Recovery	=	93.12%	
35) Dibromofluoromethane	7.57	113	223112	45.07	ug/l	0.00
Spiked Amount			Recovery	=	90.14%	
50) Toluene-d8	10.08	98	832525	42.05	ug/l	0.00
Spiked Amount			Recovery	=	84.10%	
62) 4-Bromofluorobenzene	12.40	95	277380	37.02	ug/l	0.00
Spiked Amount			Recovery	=	74.04%	

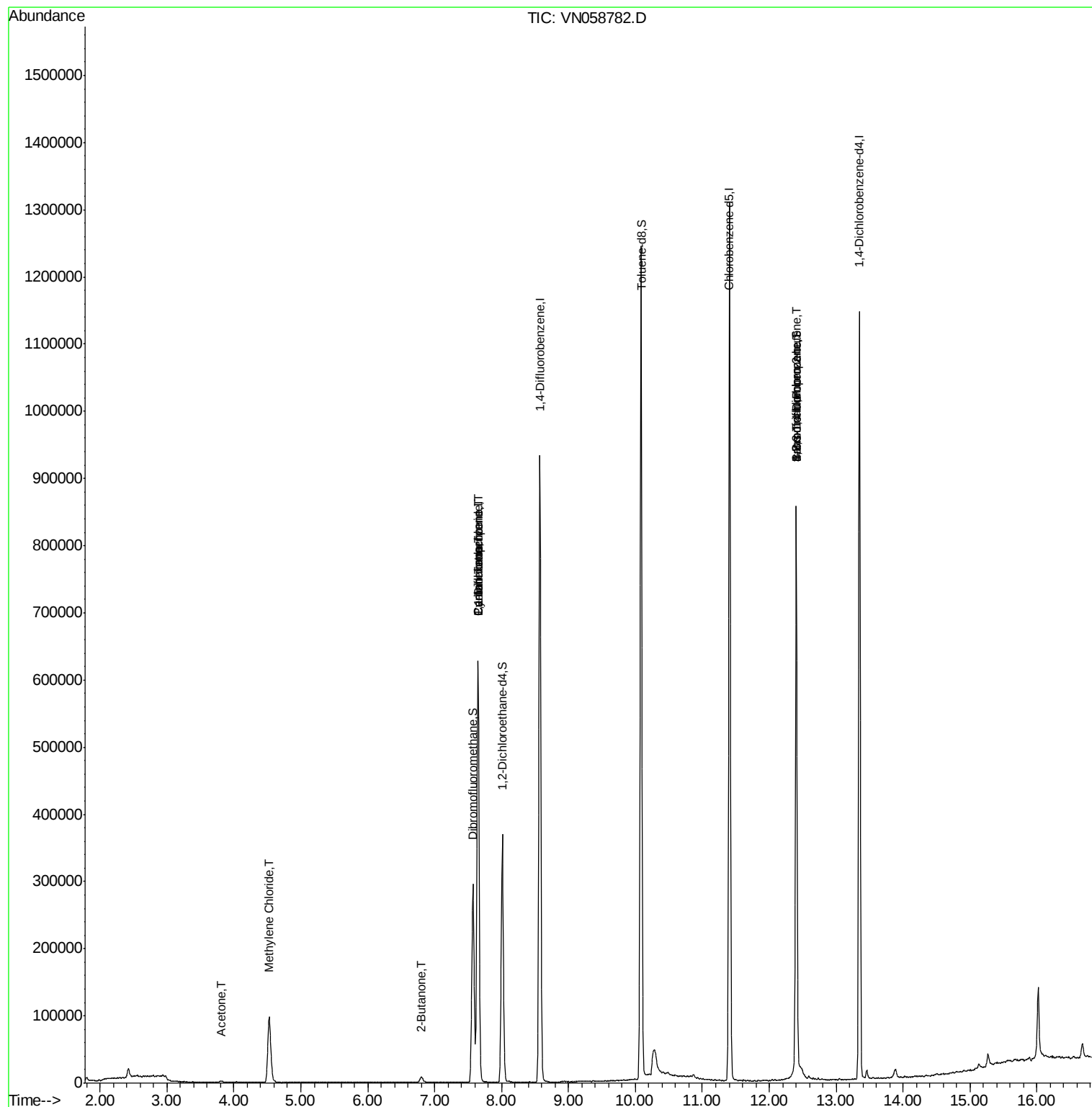
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.80	43	3810	1.357	ug/l #	83
20) Methylene Chloride	4.53	84	73004	12.444	ug/l	98
25) 2-Butanone	6.80	43	835	0.206	ug/l #	50
31) Cyclohexane	7.65	56	11870	1.194	ug/l #	6
36) 1,1-Dichloropropene	7.65	75	41204	5.085	ug/l #	50
38) Carbon Tetrachloride	7.65	117	49577	6.277	ug/l #	17
71) Bromoform	12.41	173	1909	0.485	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	151944	23.781	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	151944	63.701	ug/l #	11

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

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Quant Title : SW846 8260
QLast Update : Sat Oct 12 00:00:30 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: VN058782.D

Acq: 15 Oct 2019 15:10

Instrument :

MSVOA_N

ClientSampled :

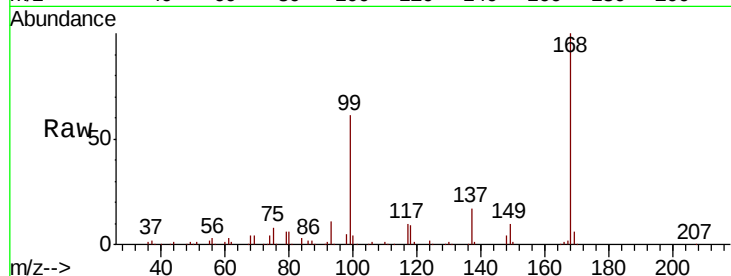
TP-8

Tot Ion:168 Resp: 484324

Ion Ratio Lower Upper

168 100

99 61.1 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

200000

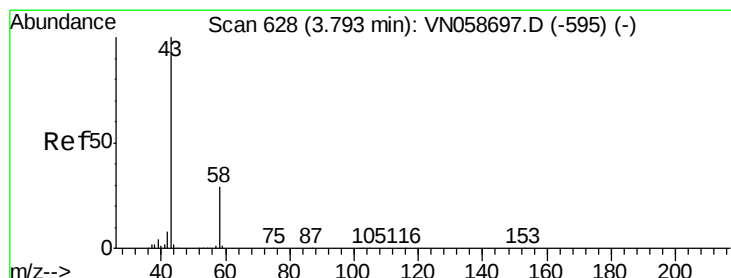
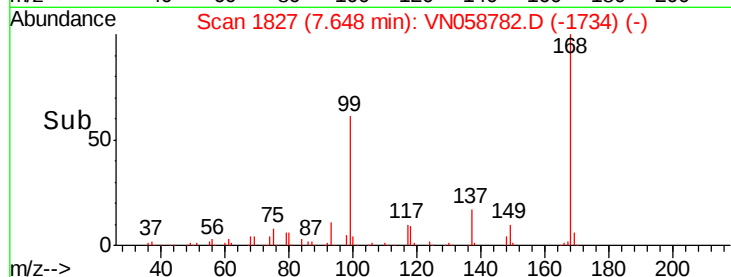
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50000

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Time-->



#16

Acetone

Concen: 1.357 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.01 min

Lab File: VN058782.D

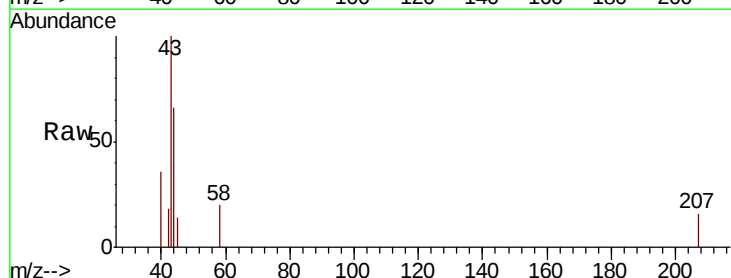
Acq: 15 Oct 2019 15:10

Tgt Ion: 43 Resp: 3810

Ion Ratio Lower Upper

43 100

58 19.9 23.3 34.9#



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

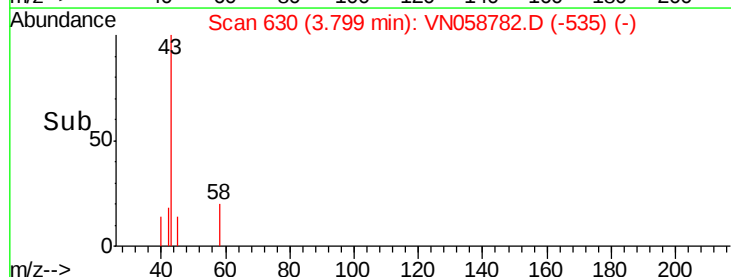
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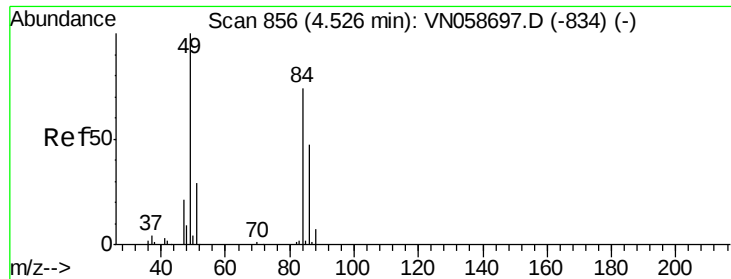
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Time-->

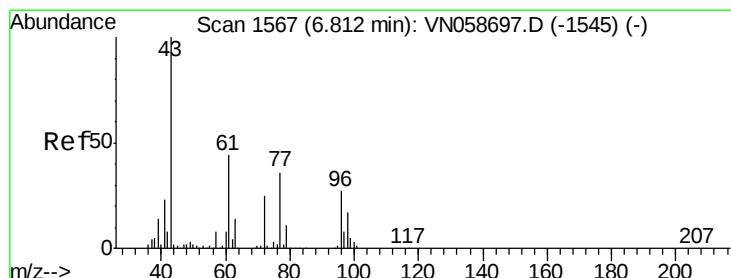
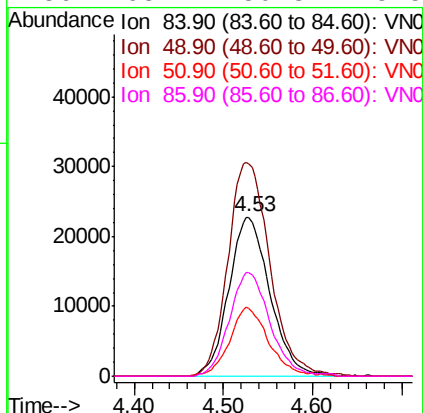
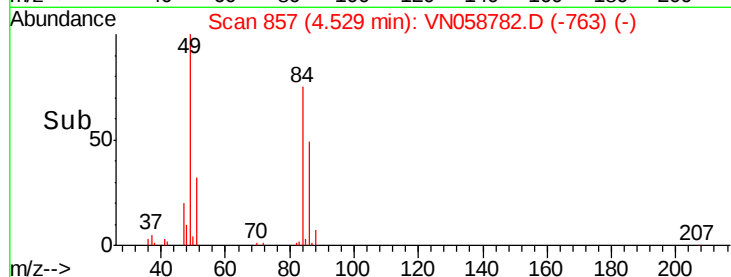
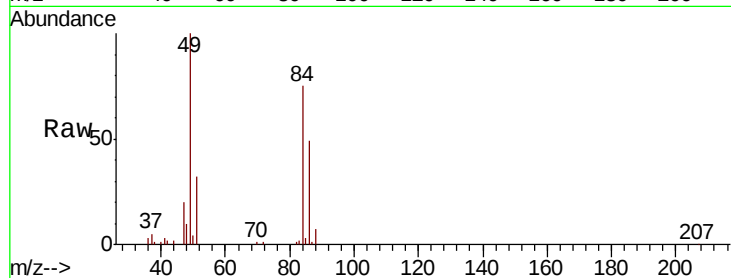




#20
Methvlene Chloride
Concen: 12.444 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058782.D
Acq: 15 Oct 2019 15:10

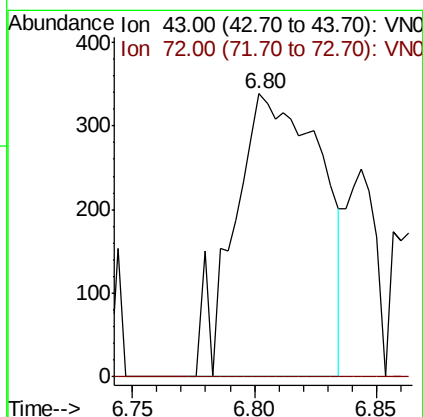
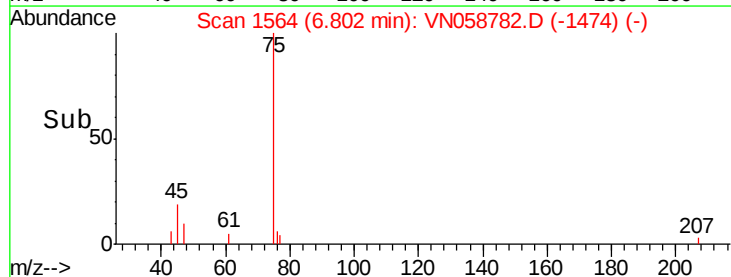
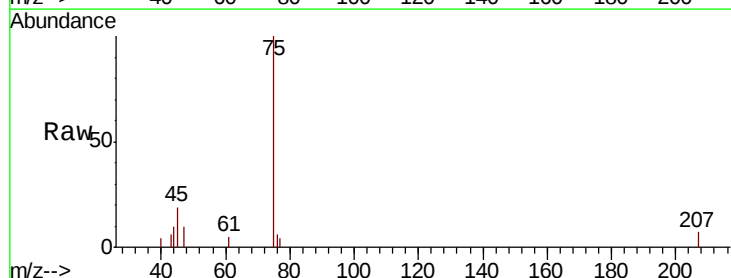
Instrument :
MSVOA_N
ClientSampled :
TP-8

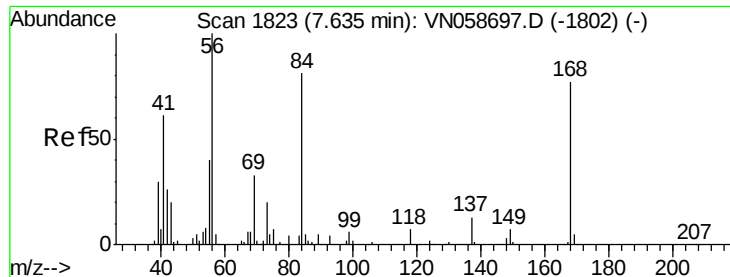
Tot Ion: 84 Resp: 73004
Ion Ratio Lower Upper
84 100
49 133.5 107.6 161.4
51 42.9 31.4 47.0
86 65.4 50.3 75.5



#25
2-Butanone
Concen: 0.206 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. -0.01 min
Lab File: VN058782.D
Acq: 15 Oct 2019 15:10

Tgt Ion: 43 Resp: 835
Ion Ratio Lower Upper
43 100
72 0.0 20.2 30.2#

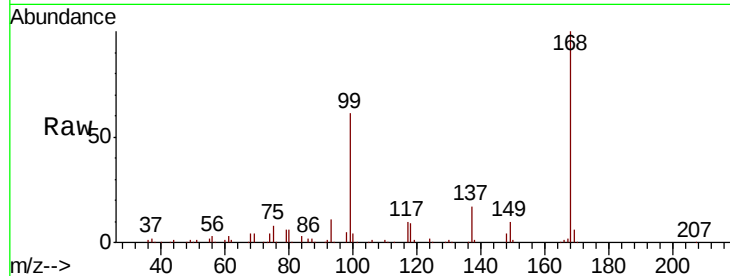




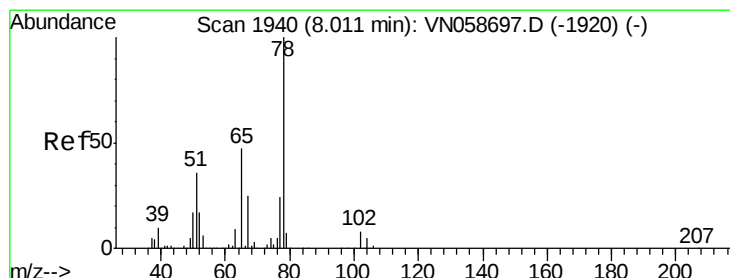
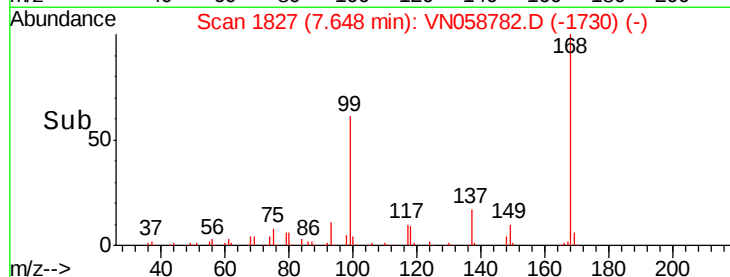
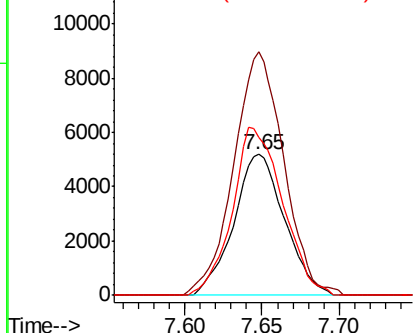
#31
Cyclohexane
Concen: 1.194 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.01 min
Lab File: VN058782.D
Acq: 15 Oct 2019 15:10

Instrument :
MSVOA_N
ClientSampled :
TP-8

Tot Ion: 56 Resp: 11870
Ion Ratio Lower Upper
56 100
69 169.4 26.2 39.4#
84 111.8 64.9 97.3#

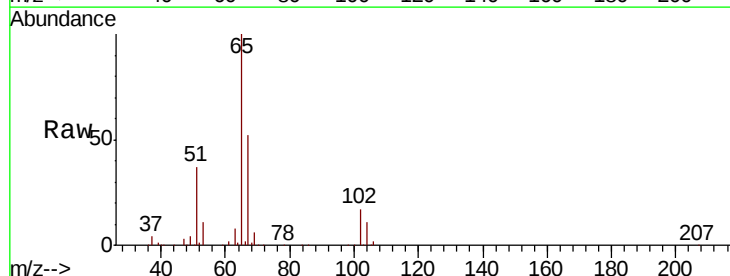


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

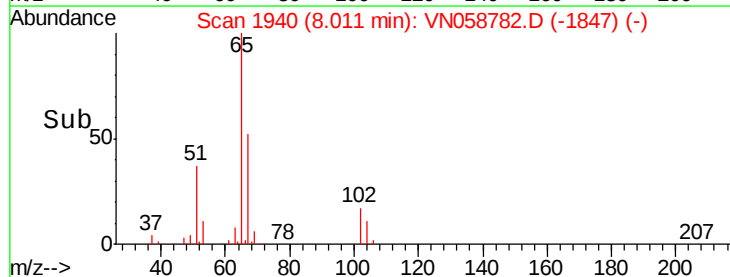
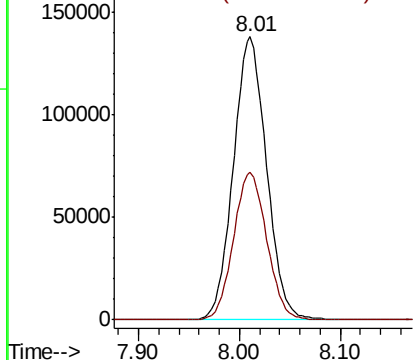


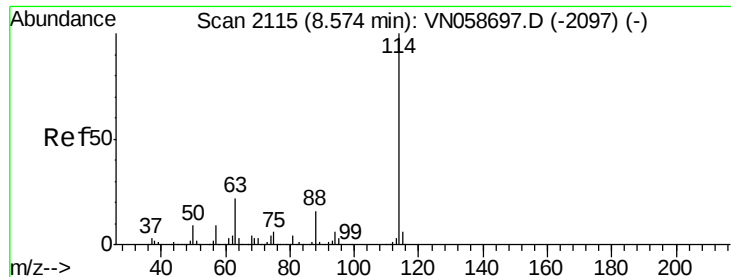
#33
1,2-Dichloroethane-d4
Concen: 46.561 ug/l
RT: 8.01 min Scan# 1940
Delta R.T. -0.00 min
Lab File: VN058782.D
Acq: 15 Oct 2019 15:10

Tgt Ion: 65 Resp: 315708
Ion Ratio Lower Upper
65 100
67 52.1 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

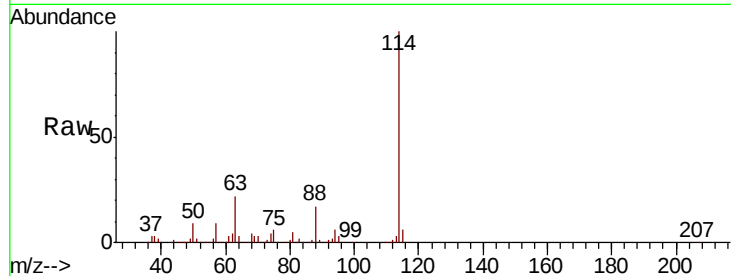




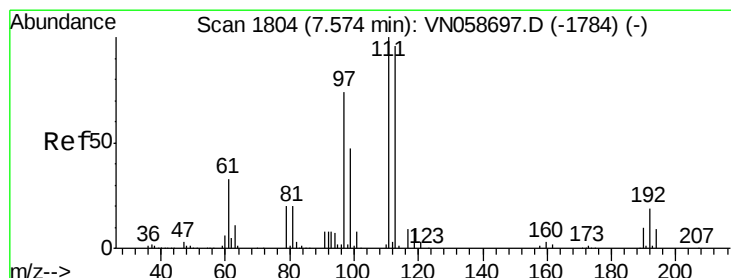
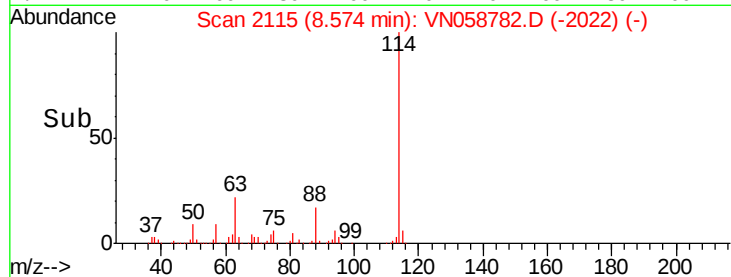
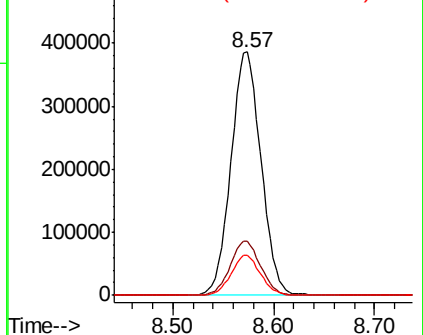
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058782.D
 Acq: 15 Oct 2019 15:10

Instrument :
 MSVOA_N
 ClientSampled :
 TP-8

Tot Ion:114 Resp: 801488
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 43.8
 88 16.5 0.0 32.0

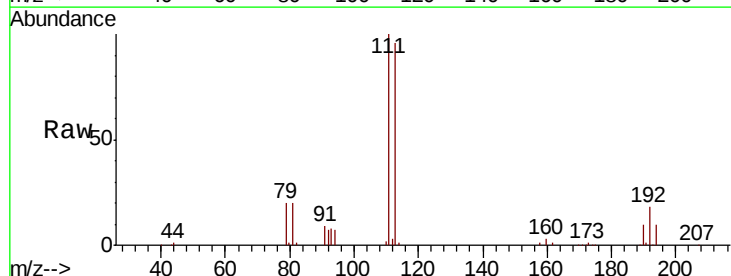


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

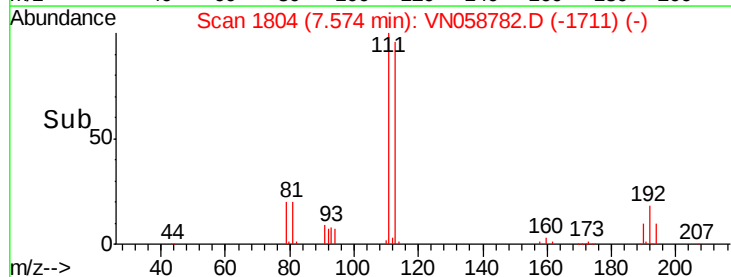
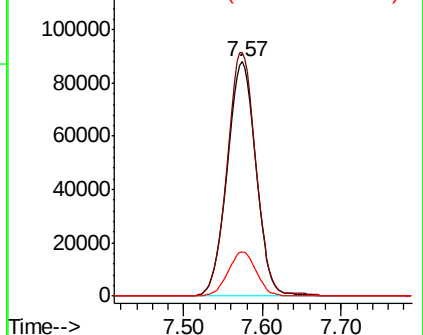


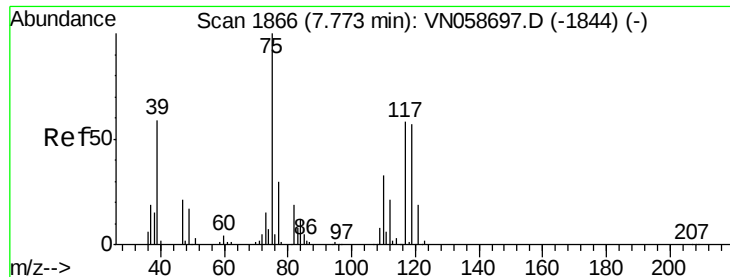
#35
 Dibromofluoromethane
 Concen: 45.067 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN058782.D
 Acq: 15 Oct 2019 15:10

Tgt Ion:113 Resp: 223112
 Ion Ratio Lower Upper
 113 100
 111 102.8 82.3 123.5
 192 18.5 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

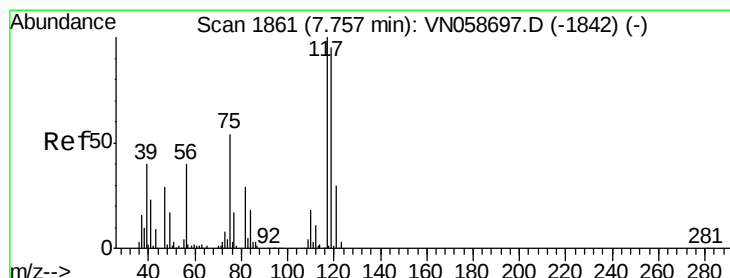
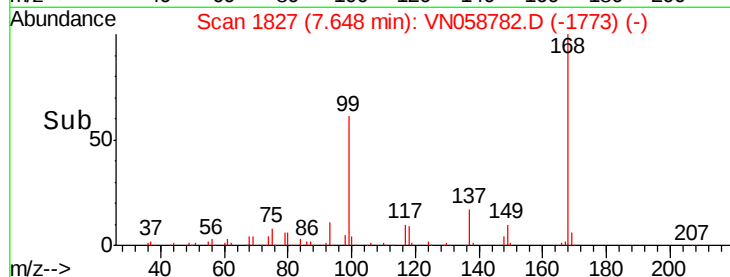
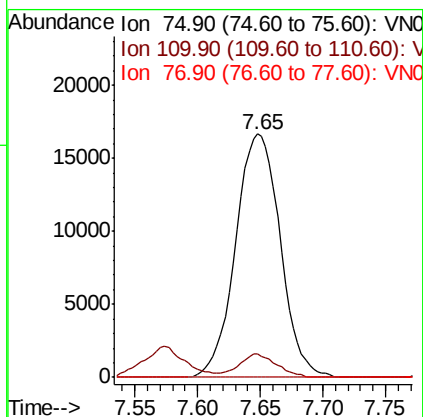
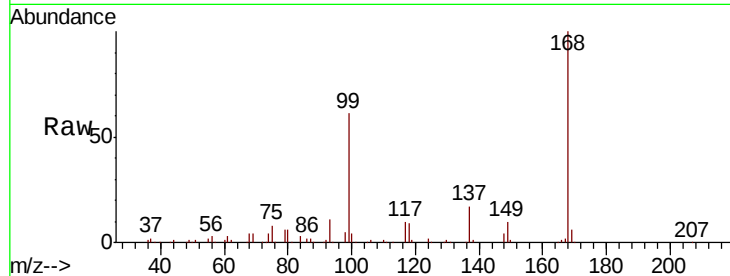




#36
 1,1-Dichloropropene
 Concen: 5.085 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN058782.D
 Acq: 15 Oct 2019 15:10

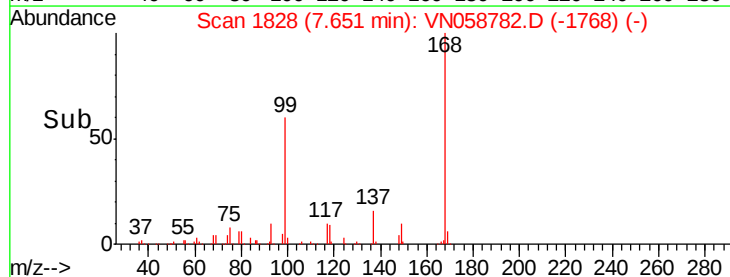
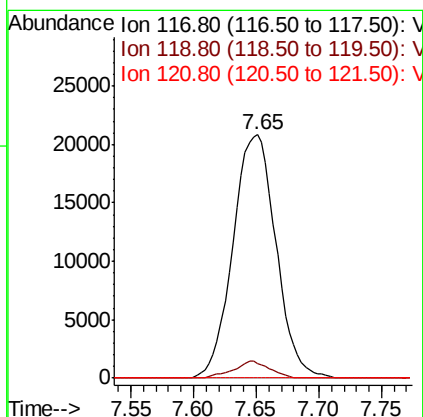
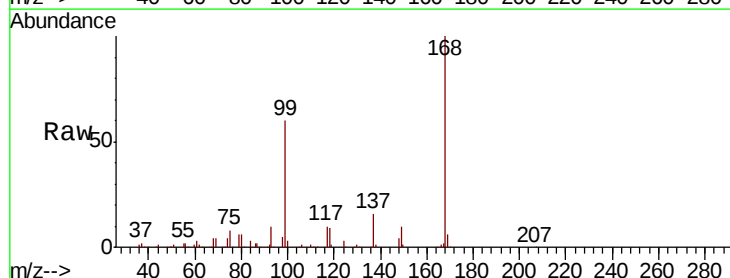
Instrument :
 MSVOA_N
 ClientSampled :
 TP-8

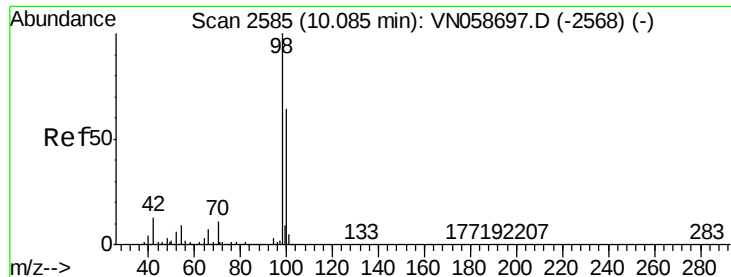
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.1	16.6	49.8#
77	0.0	24.6	37.0#



#38
 Carbon Tetrachloride
 Concen: 6.277 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.11 min
 Lab File: VN058782.D
 Acq: 15 Oct 2019 15:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.2	75.7	113.5#
121	0.0	23.9	35.9#





#50

Toluene-d8

Concen: 42.053 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058782.D

Acq: 15 Oct 2019 15:10

Instrument :

MSVOA_N

ClientSampled :

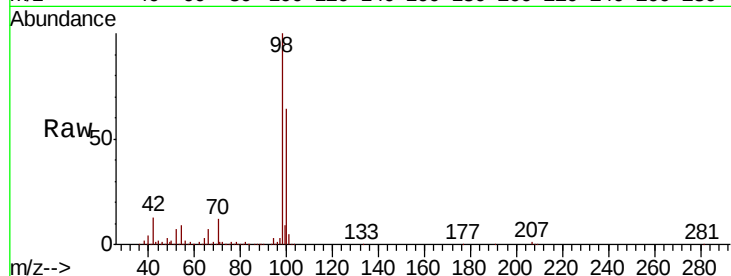
TP-8

Tot Ion: 98 Resp: 832525

Ion Ratio Lower Upper

98 100

100 64.3 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.08

500000

400000

300000

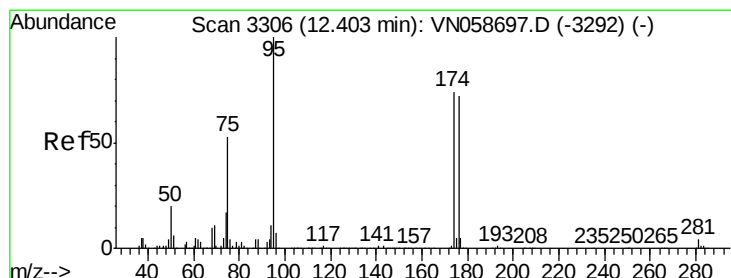
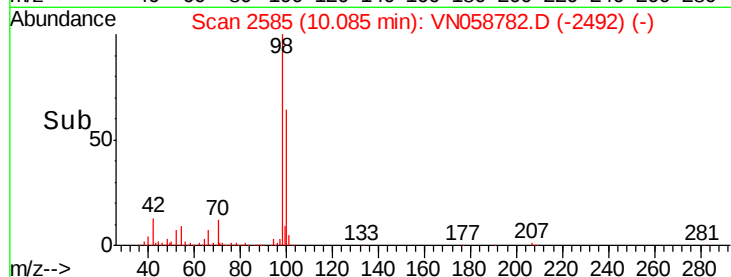
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Time-->

10.00 10.10



#62

4-Bromofluorobenzene

Concen: 37.015 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.00 min

Lab File: VN058782.D

Acq: 15 Oct 2019 15:10

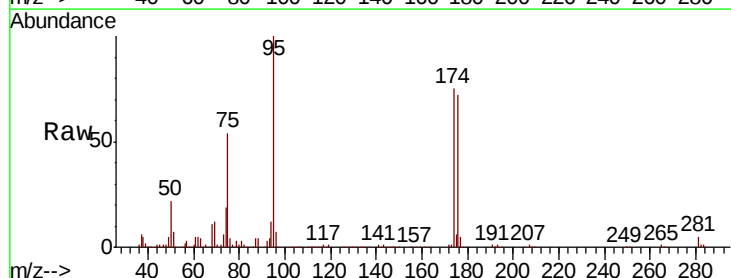
Tgt Ion: 95 Resp: 277380

Ion Ratio Lower Upper

95 100

174 75.8 0.0 150.4

176 73.3 0.0 146.8



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

150000

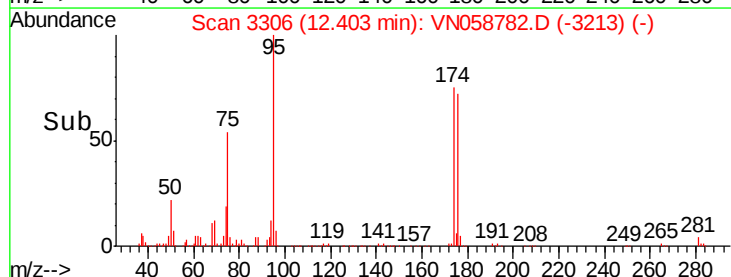
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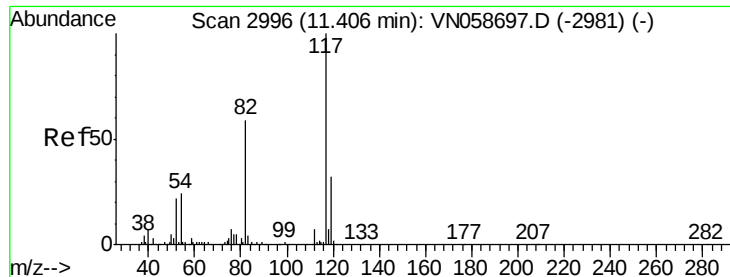
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Time-->

12.30 12.40 12.50

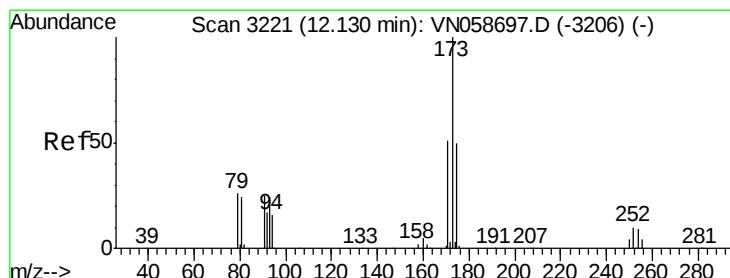
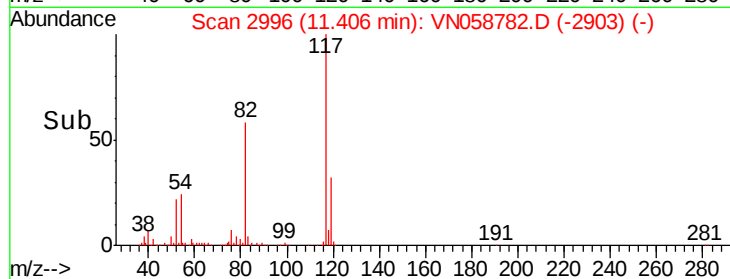
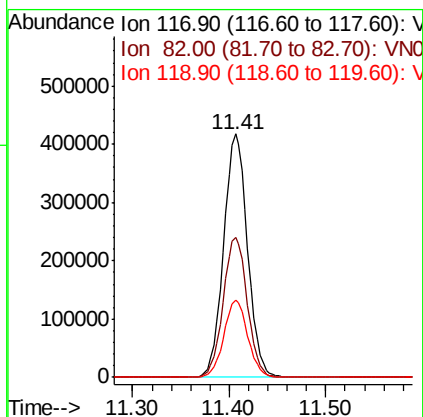
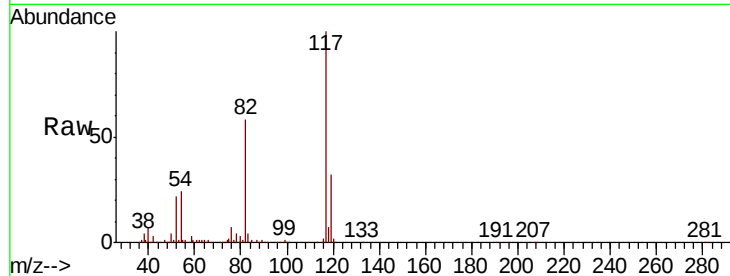




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058782.D
Acq: 15 Oct 2019 15:10

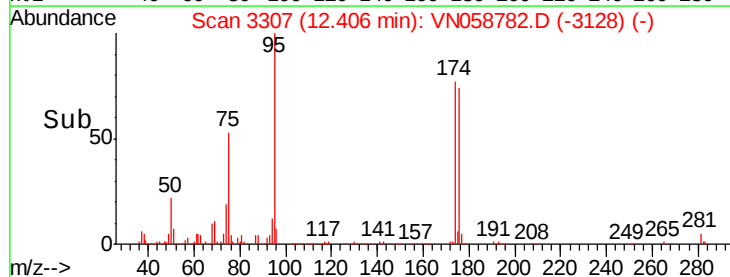
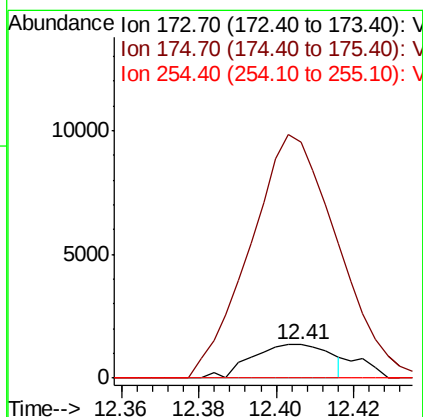
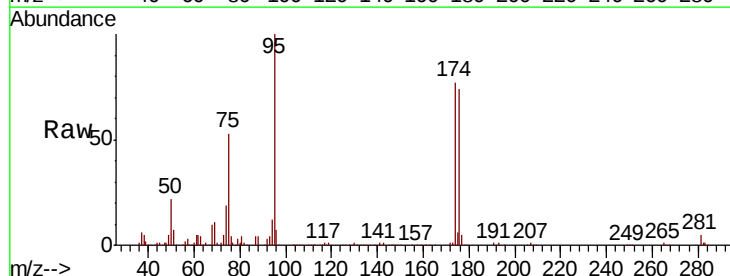
Instrument :
MSVOA_N
ClientSampled :
TP-8

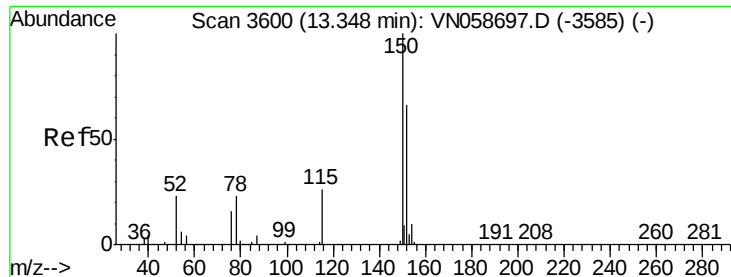
Tot Ion:117 Resp: 714400
Ion Ratio Lower Upper
117 100
82 57.7 47.0 70.4
119 31.9 25.4 38.2



#71
Bromoform
Concen: 0.485 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.28 min
Lab File: VN058782.D
Acq: 15 Oct 2019 15:10

Tgt Ion:173 Resp: 1909
Ion Ratio Lower Upper
173 100
175 712.8 24.6 73.8#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN058782.D

Acq: 15 Oct 2019 15:10

Instrument :

MSVOA_N

ClientSampleId :

TP-8

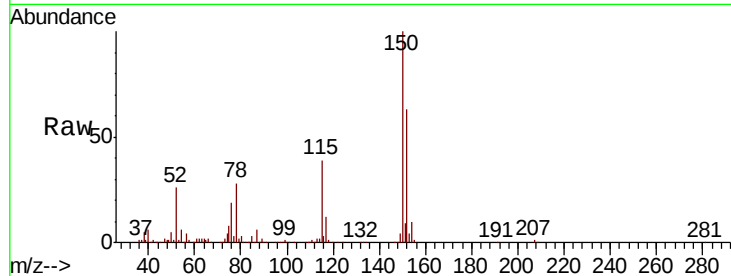
Tot Ion:152 Resp: 291254

Ion Ratio Lower Upper

152 100

115 60.9 30.4 91.2

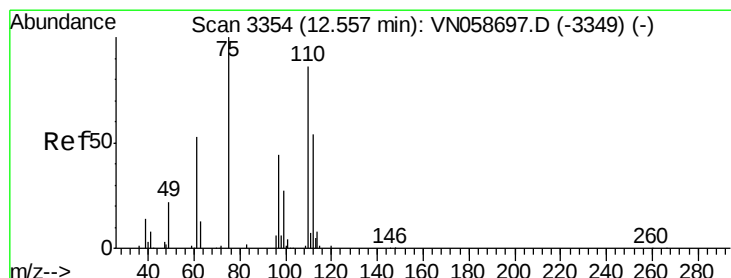
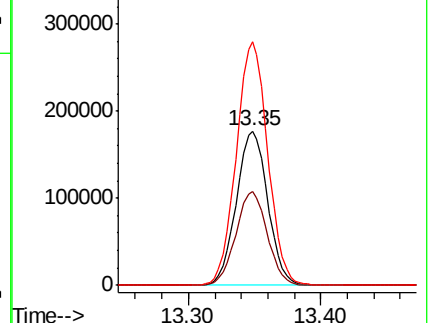
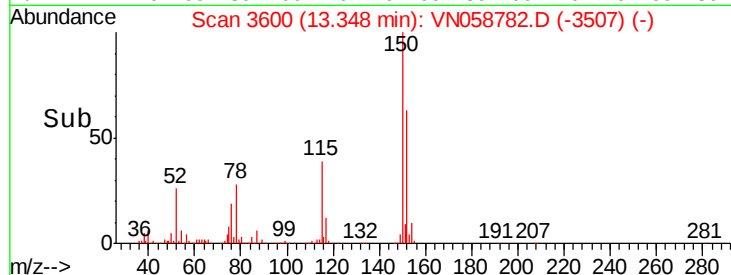
150 158.1 0.0 345.4



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: 23.781 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN058782.D

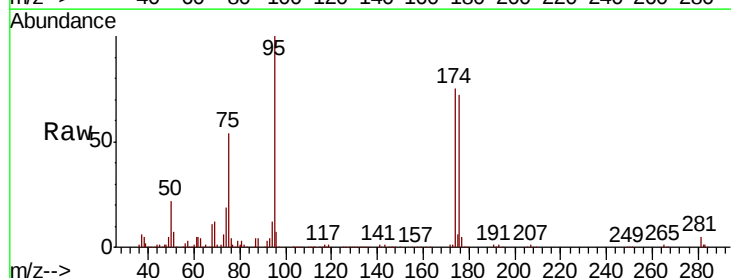
Acq: 15 Oct 2019 15:10

Tgt Ion: 75 Resp: 151944

Ion Ratio Lower Upper

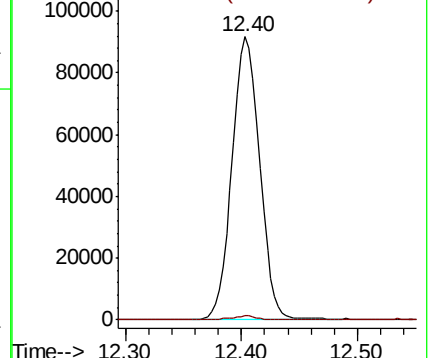
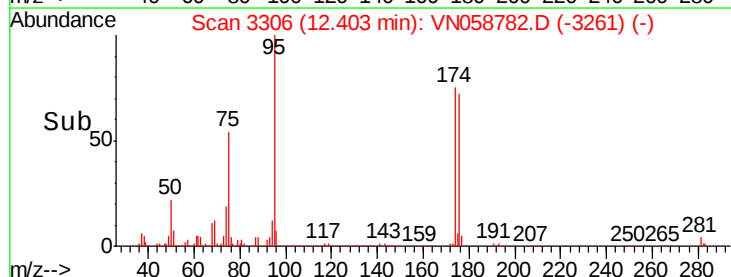
75 100

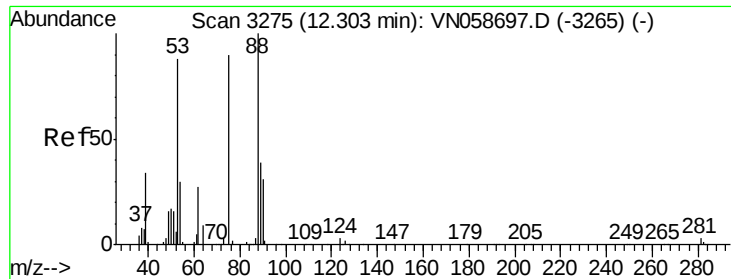
77 1.4 0.0 0.0#



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: 63.701 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN058782.D

Acq: 15 Oct 2019 15:10

Instrument :

MSVOA_N

ClientSampleId :

TP-8

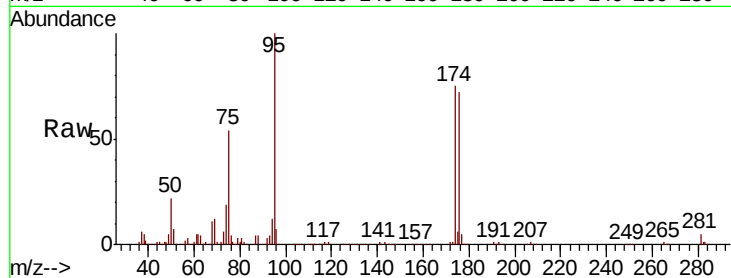
Tot Ion: 75 Resp: 151944

Ion Ratio Lower Upper

75 100

53 0.0 78.4 117.6#

89 0.0 34.9 52.3#



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

