

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101319\
 Data File : VN058719.D
 Acq On : 11 Oct 2019 21:52
 Operator : JC/SP
 Sample : K5337-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 12 00:15:30 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	409191	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	644541	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	566155	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	224611	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	293313	51.20	ug/l	0.00
Spiked Amount			Recovery	=	102.40%	
35) Dibromofluoromethane	7.57	113	207826	52.20	ug/l	0.00
Spiked Amount			Recovery	=	104.40%	
50) Toluene-d8	10.08	98	808321	50.77	ug/l	0.00
Spiked Amount			Recovery	=	101.54%	
62) 4-Bromofluorobenzene	12.40	95	265651	44.08	ug/l	0.00
Spiked Amount			Recovery	=	88.16%	

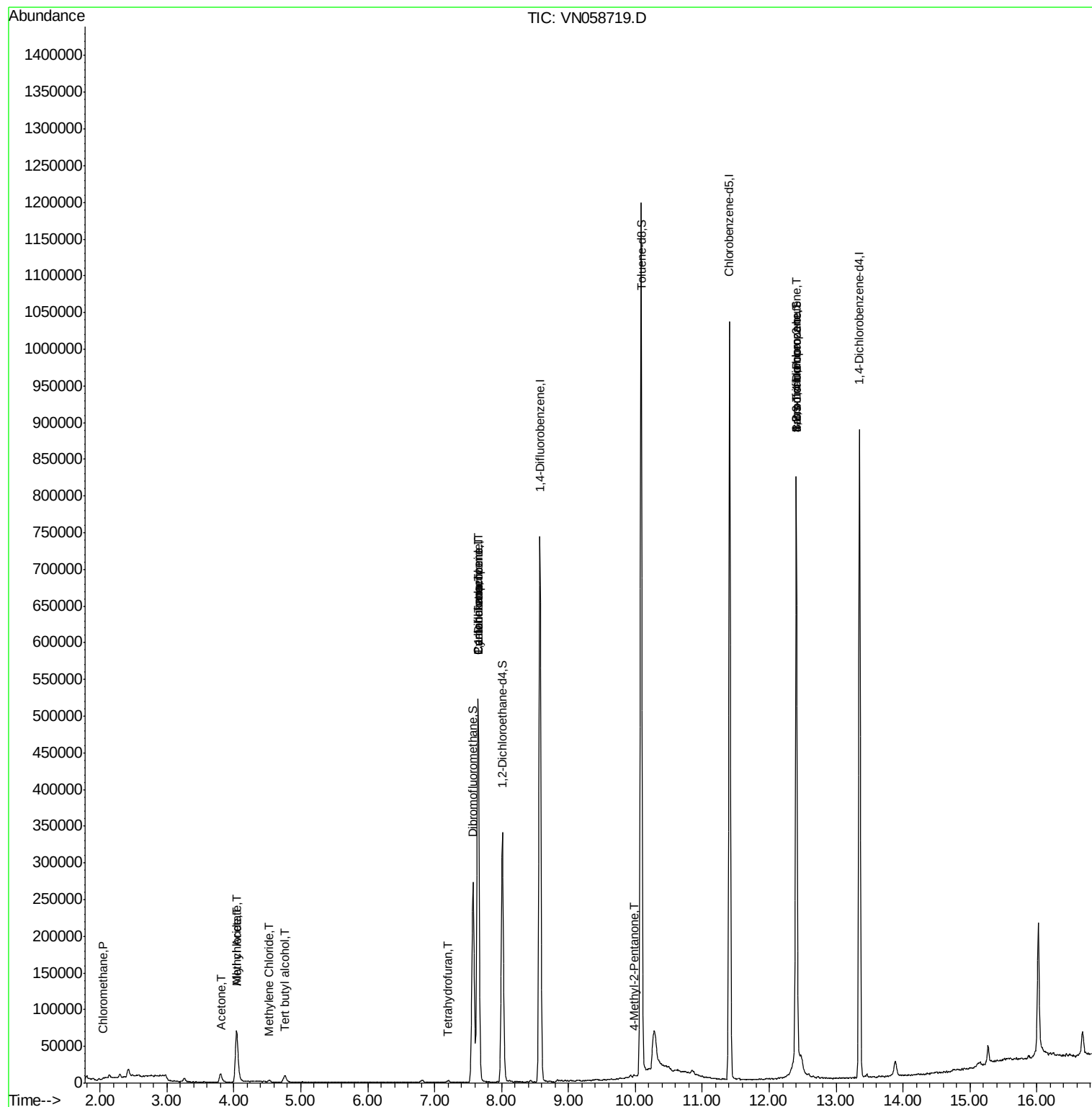
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1295	0.214	ug/l	98
11) Tert butyl alcohol	4.77	59	16119	17.374	ug/l #	94
14) Allyl chloride	4.04	41	10068	1.270	ug/l #	71
16) Acetone	3.80	43	20775	8.760	ug/l	98
18) Methyl Acetate	4.04	43	27077	4.501	ug/l #	54
20) Methylene Chloride	4.53	84	1852	0.374	ug/l	87
29) Tetrahydrofuran	7.20	42	1383	0.624	ug/l #	56
31) Cyclohexane	7.65	56	9183	1.093	ug/l #	3
36) 1,1-Dichloropropene	7.65	75	34387	5.277	ug/l #	51
38) Carbon Tetrachloride	7.65	117	41354	6.511	ug/l #	16
51) 4-Methyl-2-Pentanone	9.99	43	1520	0.241	ug/l #	85
71) Bromoform	12.40	173	1615	0.518	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	140910	28.597	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	140910	76.603	ug/l #	11

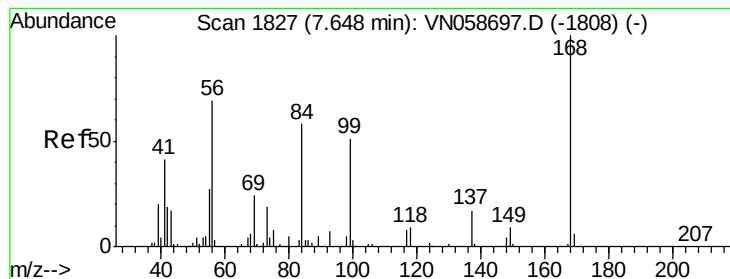
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058719.D

Acq: 11 Oct 2019 21:52

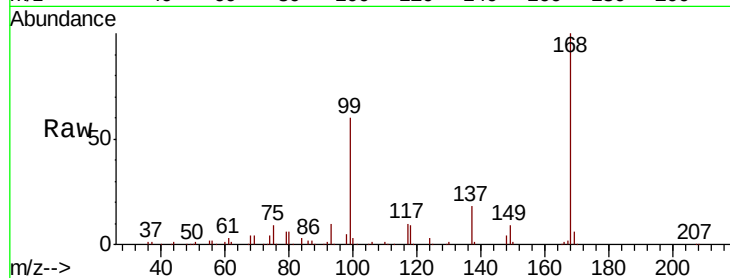
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 409191

Ion Ratio Lower Upper

168 100

99 59.8 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

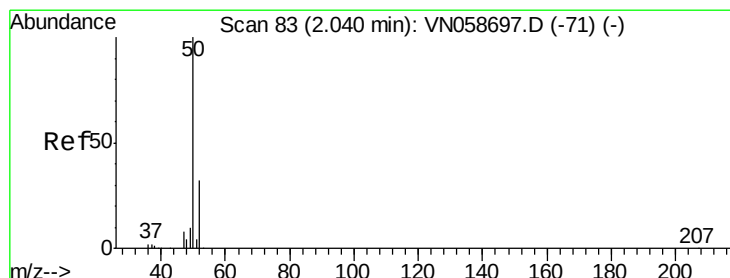
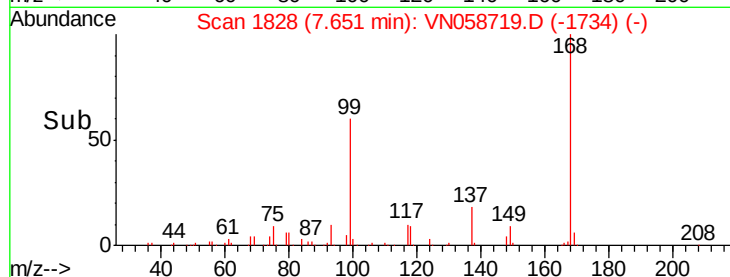
150000

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: VN058719.D

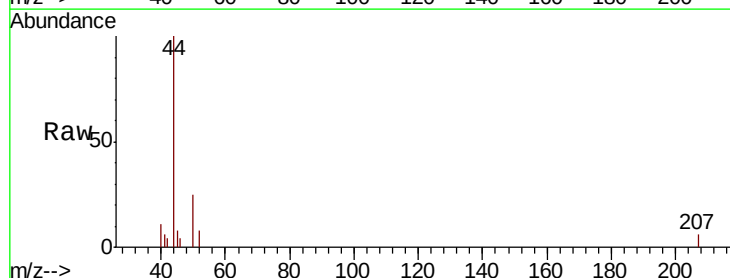
Acq: 11 Oct 2019 21:52

Tgt Ion: 50 Resp: 1295

Ion Ratio Lower Upper

50 100

52 33.1 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.04

1000

800

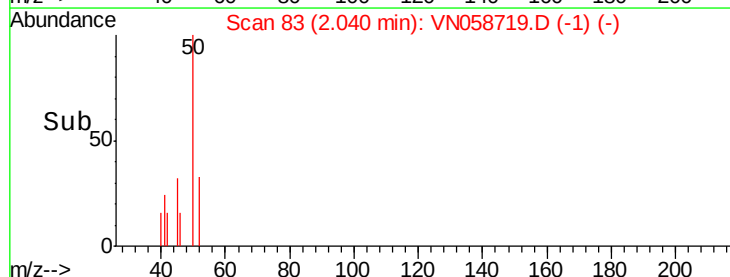
600

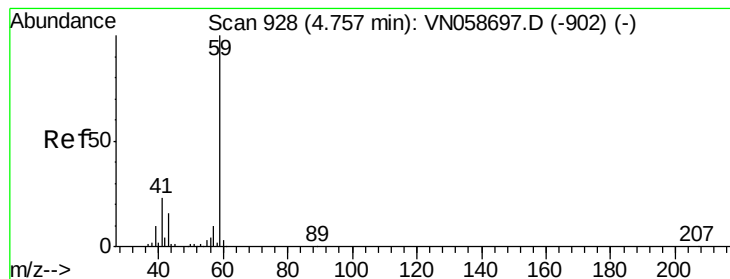
400

200

0

Time-->



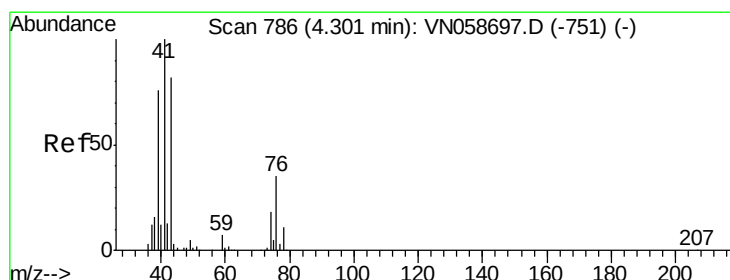
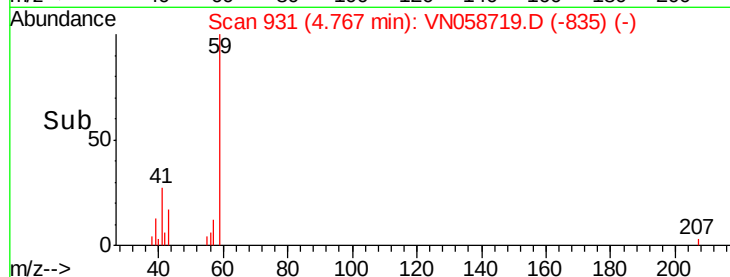
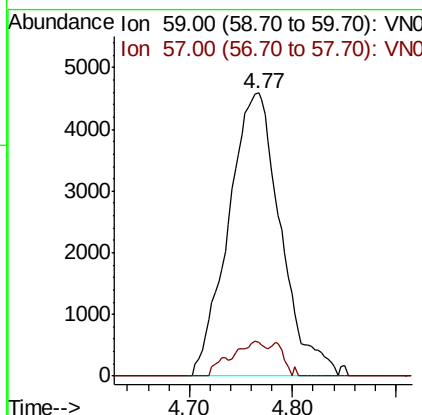
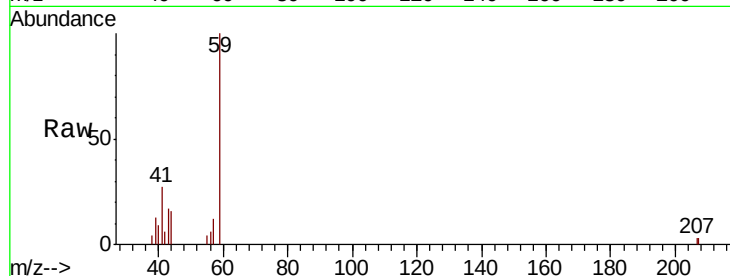


#11

Tert butyl alcohol
 Concen: 17.374 ug/l
 RT: 4.77 min Scan# 931
 Delta R.T. 0.01 min
 Lab File: VN058719.D
 Acq: 11 Oct 2019 21:52

Instrument :
 MSVOA_N
 ClientSampleId :

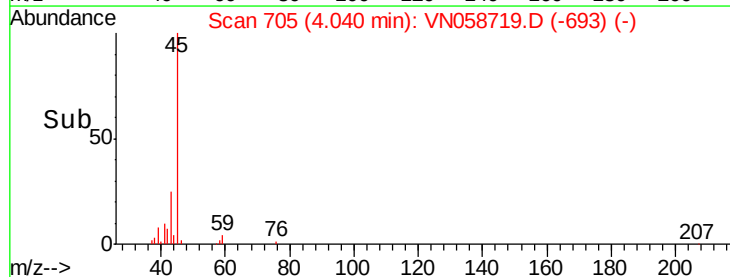
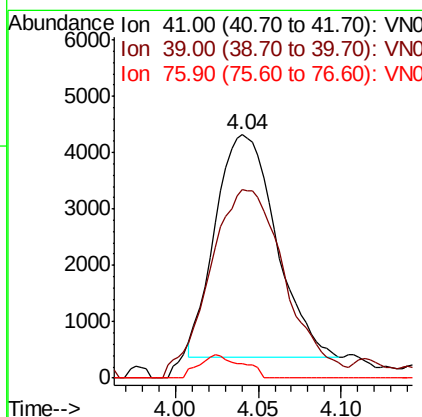
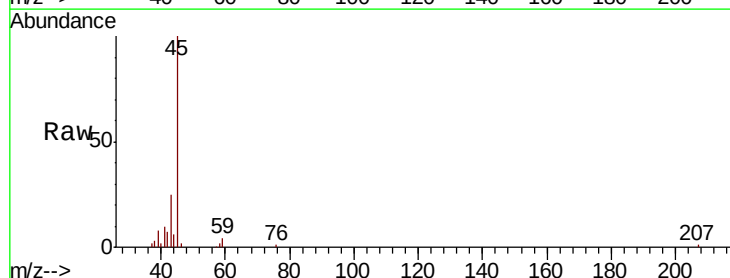
Tot Ion: 59 Resp: 16119
 Ion Ratio Lower Upper
 59 100
 57 8.3 8.4 12.6#

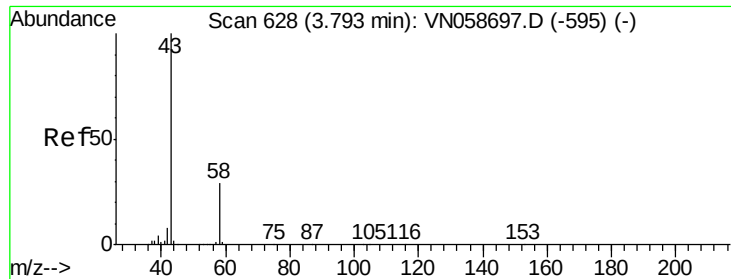


#14

Allyl chloride
 Concen: 1.270 ug/l
 RT: 4.04 min Scan# 705
 Delta R.T. -0.26 min
 Lab File: VN058719.D
 Acq: 11 Oct 2019 21:52

Tgt Ion: 41 Resp: 10068
 Ion Ratio Lower Upper
 41 100
 39 90.5 57.2 85.8#
 76 7.1 25.0 37.6#





#16

Acetone

Concen: 8.760 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.01 min

Lab File: VN058719.D

Acq: 11 Oct 2019 21:52

Instrument :

MSVOA_N

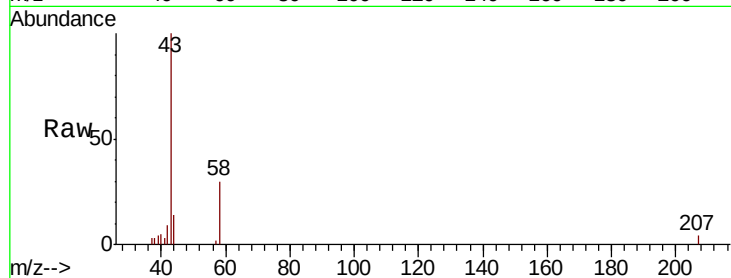
ClientSampled :

Tot Ion: 43 Resp: 20775

Ion Ratio Lower Upper

43 100

58 30.2 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VN058719.D (-535) (-)

Ion 58.00 (57.70 to 58.70): VN058719.D (-535) (-)

3.80

8000

6000

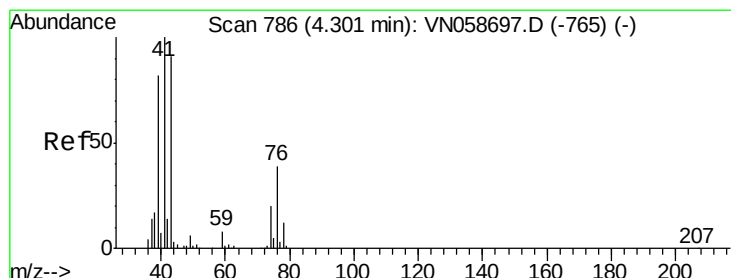
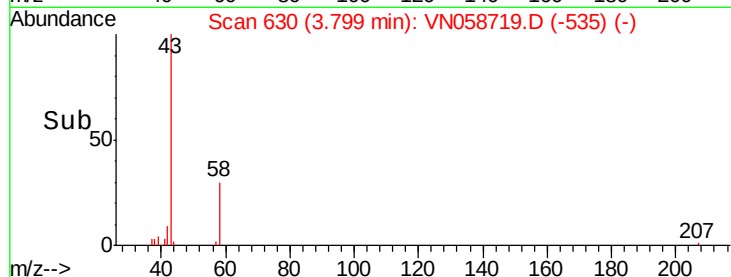
4000

2000

0

Time-->

3.70 3.80 3.90



#18

Methyl Acetate

Concen: 4.501 ug/l

RT: 4.04 min Scan# 706

Delta R.T. -0.26 min

Lab File: VN058719.D

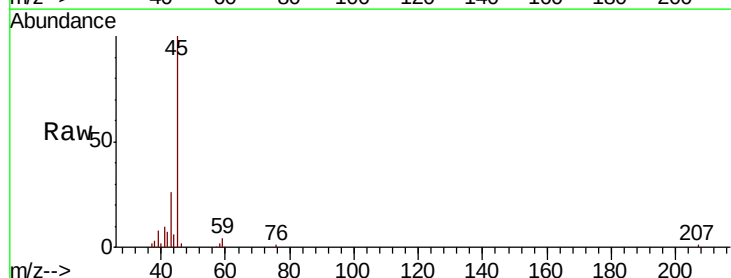
Acq: 11 Oct 2019 21:52

Tgt Ion: 43 Resp: 27077

Ion Ratio Lower Upper

43 100

74 0.0 17.2 25.8#



Abundance Ion 43.00 (42.70 to 43.70): VN058719.D (-693) (-)

Ion 74.00 (73.70 to 74.70): VN058719.D (-693) (-)

4.04

12000

10000

8000

6000

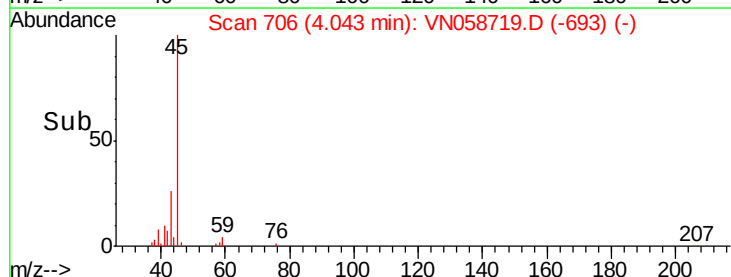
4000

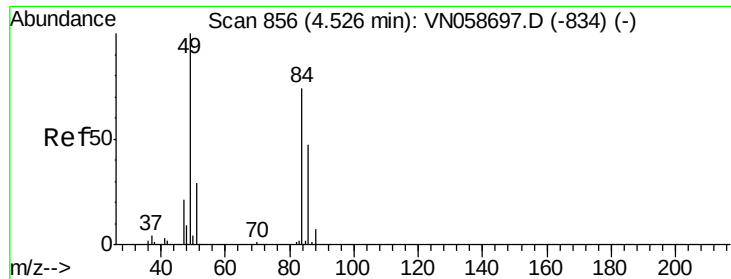
2000

0

Time-->

4.00 4.05 4.10

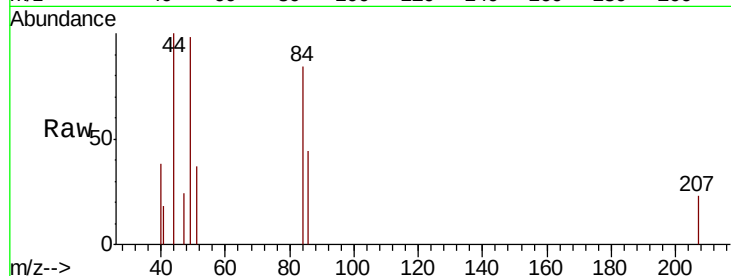




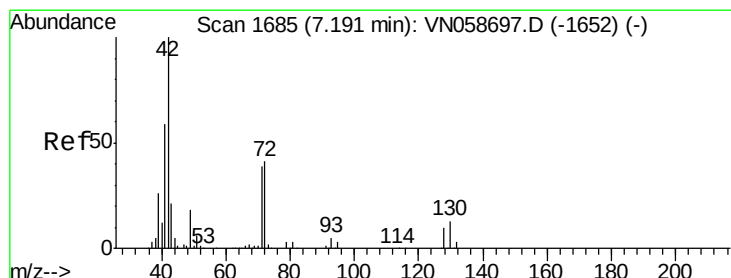
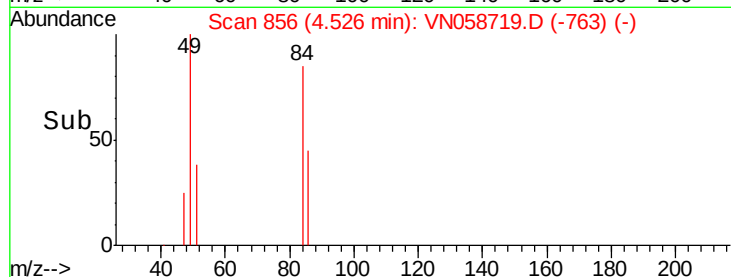
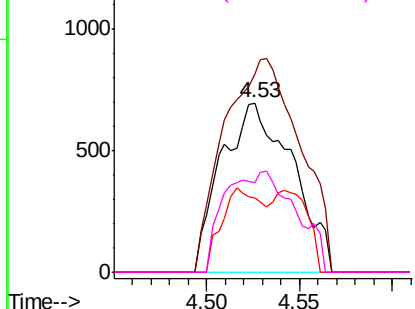
#20
Methylene Chloride
Concen: 0.374 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN058719.D
Acq: 11 Oct 2019 21:52

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	84	Resp:	1852
Ion	Ratio	Lower	Upper
84	100		
49	117.4	107.6	161.4
51	44.2	31.4	47.0
86	53.2	50.3	75.5

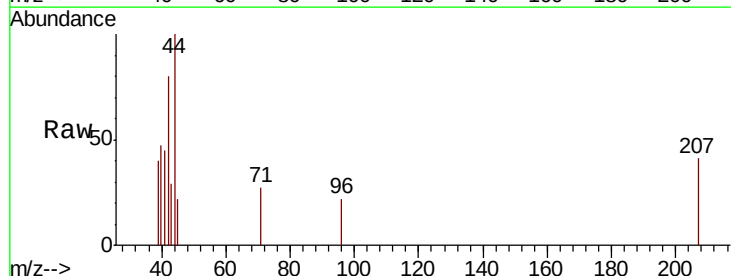


Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

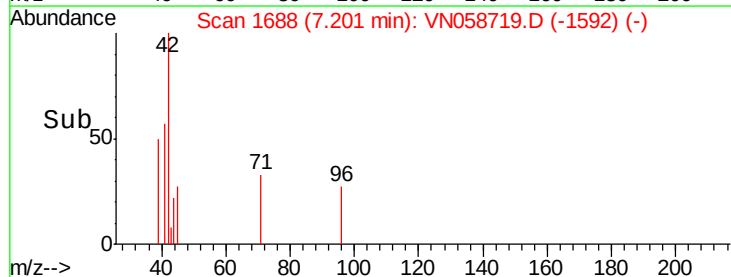
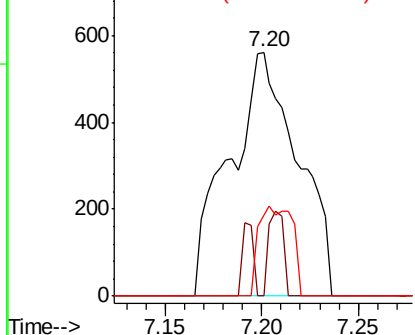


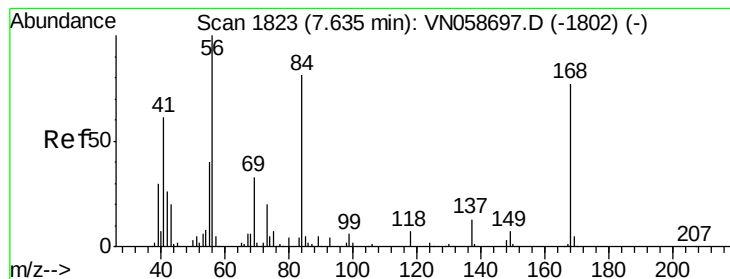
#29
Tetrahydrofuran
Concen: 0.624 ug/l
RT: 7.20 min Scan# 1688
Delta R.T. 0.01 min
Lab File: VN058719.D
Acq: 11 Oct 2019 21:52

Tgt Ion:	42	Resp:	1383
Ion	Ratio	Lower	Upper
42	100		
72	7.6	32.8	49.2#
71	18.1	31.1	46.7#



Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0





#31

Cyclohexane

Concen: 1.093 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.01 min

Lab File: VN058719.D

Acq: 11 Oct 2019 21:52

Instrument :
MSVOA_N
ClientSampled :

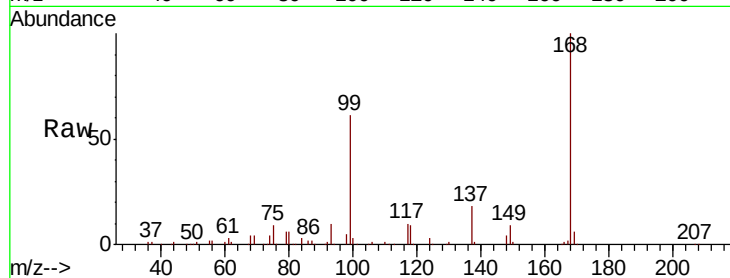
Tot Ion: 56 Resp: 9183

Ion Ratio Lower Upper

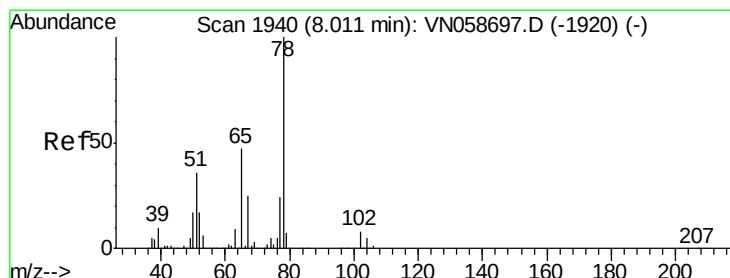
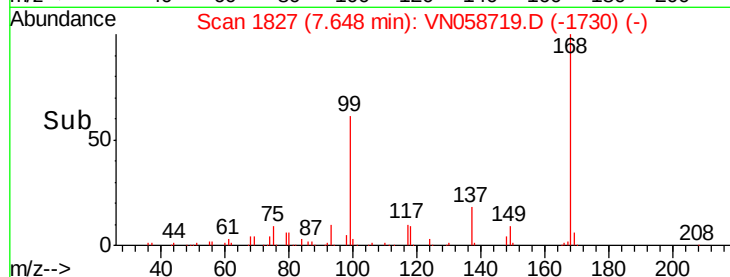
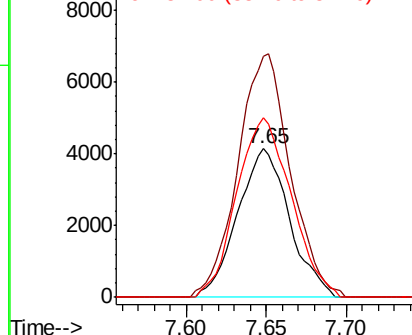
56 100

69 162.0 26.2 39.4#

84 120.4 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: 51.201 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.00 min

Lab File: VN058719.D

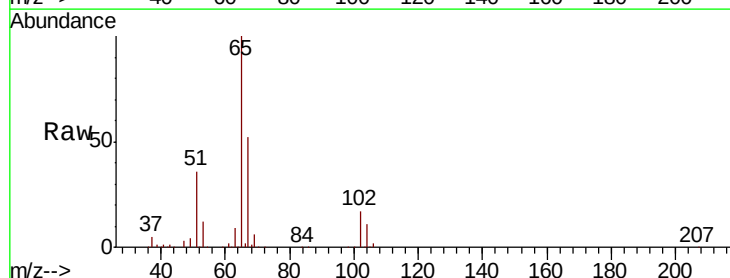
Acq: 11 Oct 2019 21:52

Tgt Ion: 65 Resp: 293313

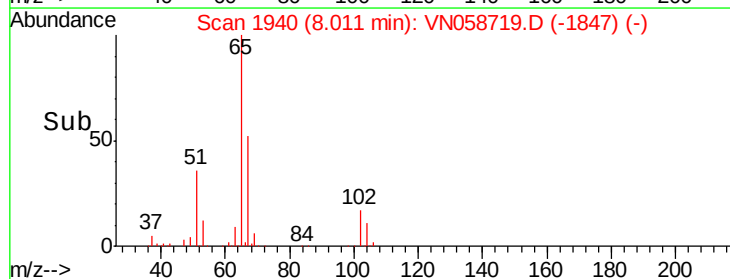
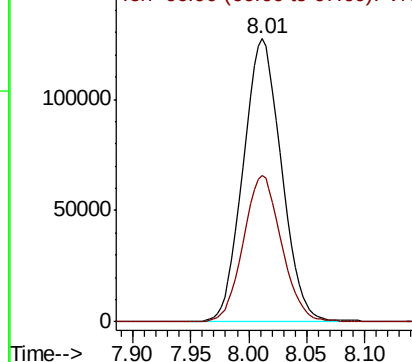
Ion Ratio Lower Upper

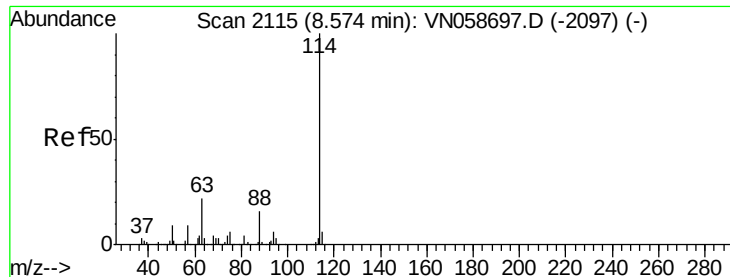
65 100

67 51.6 0.0 103.8



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

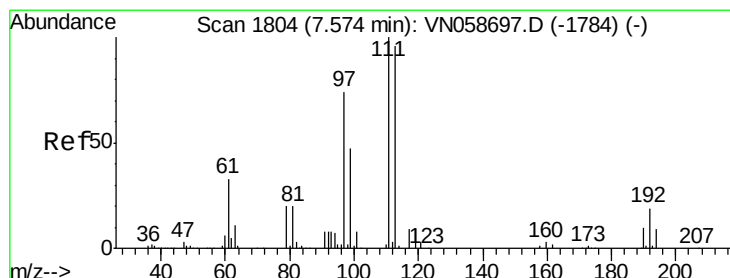
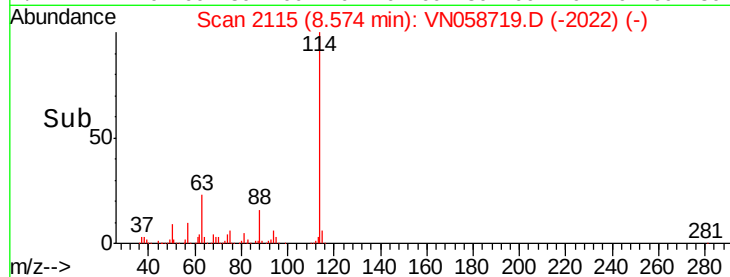
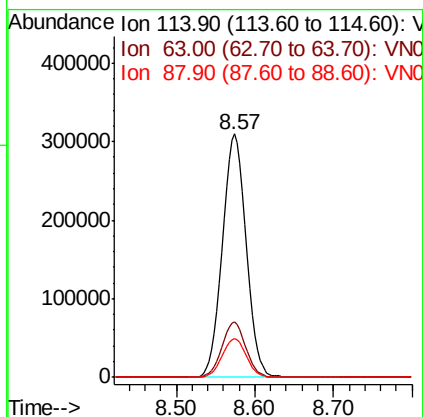
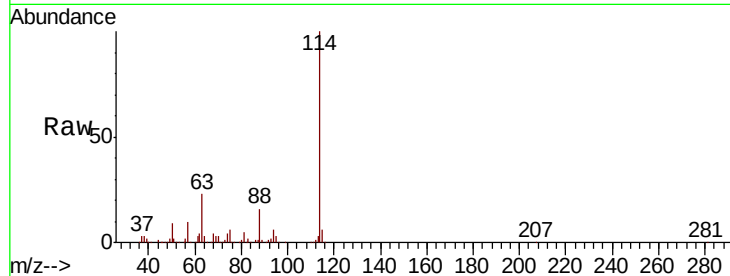




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058719.D
 Acq: 11 Oct 2019 21:52

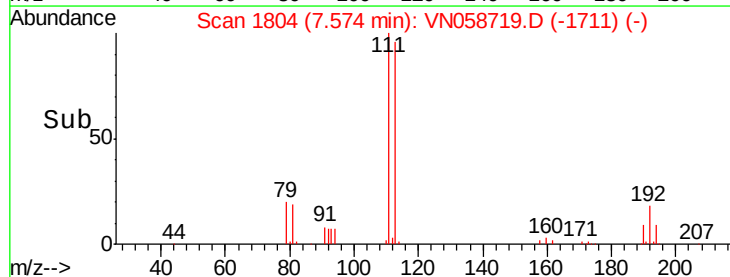
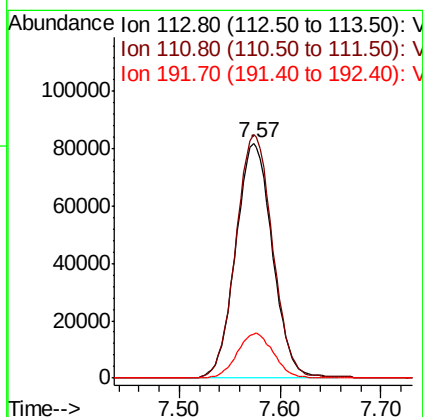
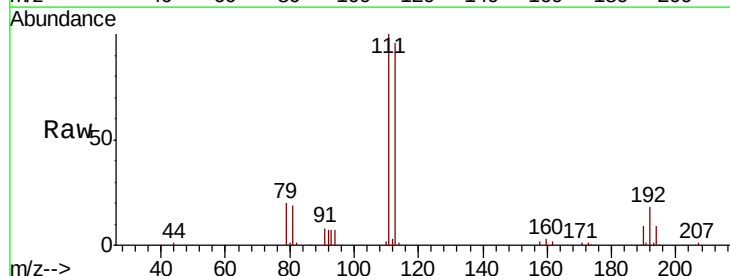
Instrument :
 MSVOA_N
 ClientSampleId :

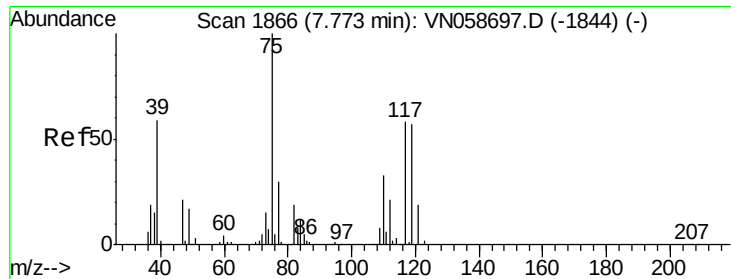
Tot Ion:114 Resp: 644541
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 43.8
 88 15.7 0.0 32.0



#35
 Dibromofluoromethane
 Concen: 52.202 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058719.D
 Acq: 11 Oct 2019 21:52

Tgt Ion:113 Resp: 207826
 Ion Ratio Lower Upper
 113 100
 111 103.7 82.3 123.5
 192 18.8 15.0 22.6

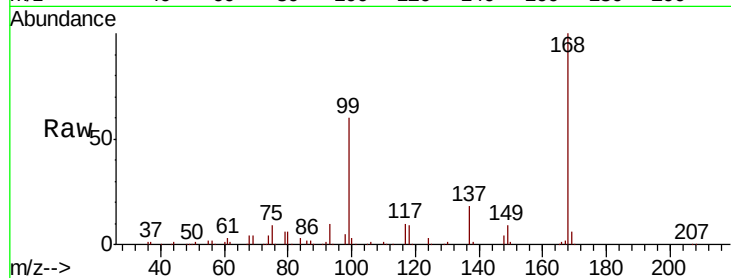




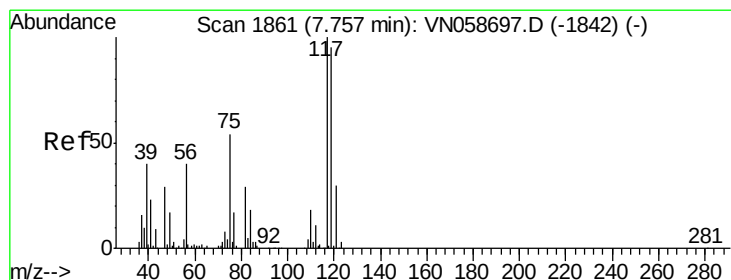
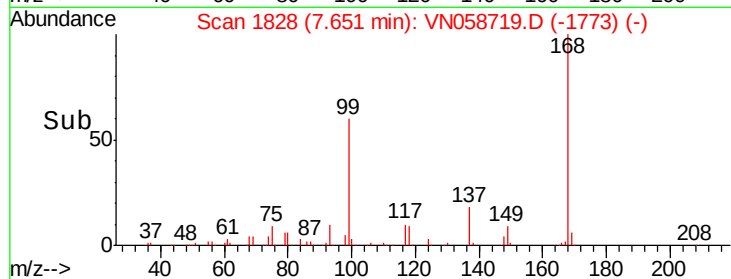
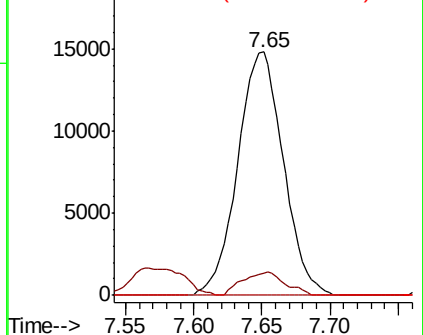
#36
 1,1-Dichloropropene
 Concen: 5.277 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.12 min
 Lab File: VN058719.D
 Acq: 11 Oct 2019 21:52

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	9.0	16.6	49.8#
77	0.0	24.6	37.0#

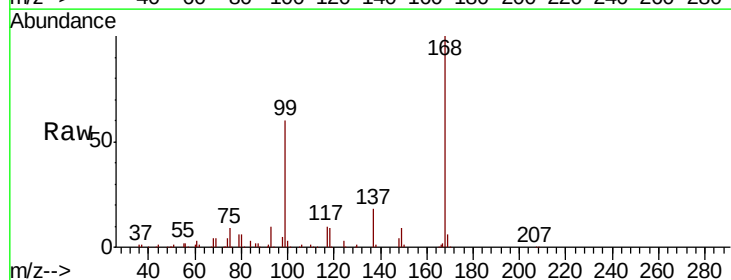


Abundance Ion 74.90 (74.60 to 75.60): VN058697.D (-1844) (-)
 Ion 109.90 (109.60 to 110.60): VN058697.D (-1844) (-)
 Ion 76.90 (76.60 to 77.60): VN058697.D (-1844) (-)

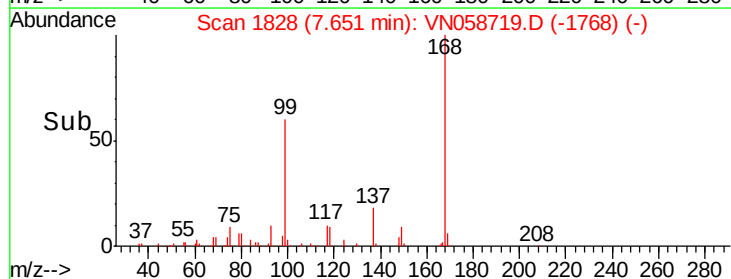
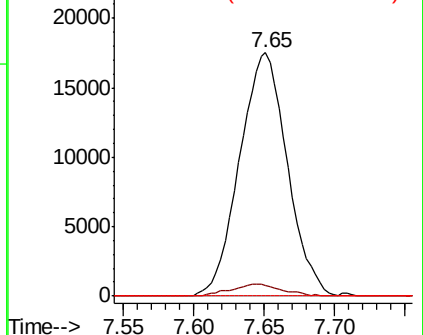


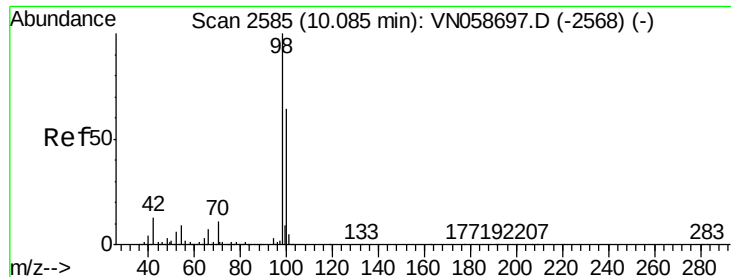
#38
 Carbon Tetrachloride
 Concen: 6.511 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.11 min
 Lab File: VN058719.D
 Acq: 11 Oct 2019 21:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.4	75.7	113.5#
121	0.0	23.9	35.9#



Abundance Ion 116.80 (116.50 to 117.50): VN058697.D (-1842) (-)
 Ion 118.80 (118.50 to 119.50): VN058697.D (-1842) (-)
 Ion 120.80 (120.50 to 121.50): VN058697.D (-1842) (-)





#50

Toluene-d8

Concen: 50.773 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058719.D

Acq: 11 Oct 2019 21:52

Instrument :

MSVOA_N

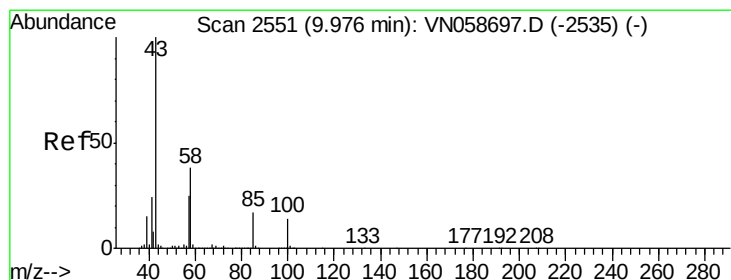
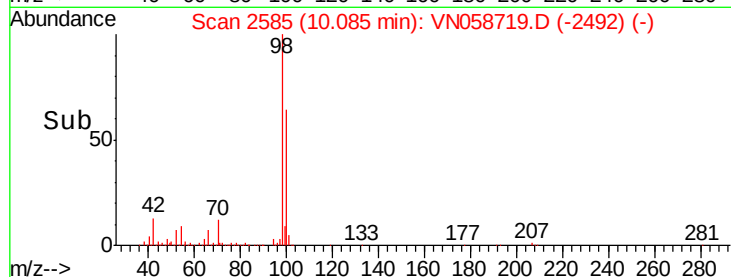
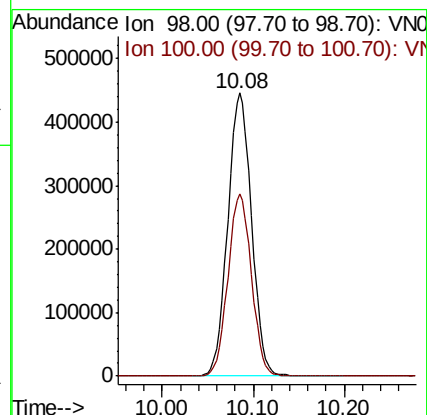
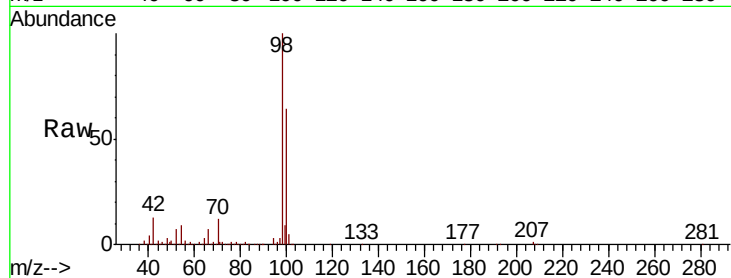
ClientSampled :

Tot Ion: 98 Resp: 808321

Ion Ratio Lower Upper

98 100

100 63.6 51.1 76.7



#51

4-Methyl-2-Pentanone

Concen: 0.241 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.01 min

Lab File: VN058719.D

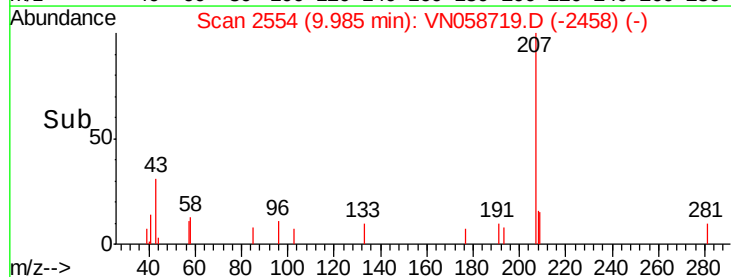
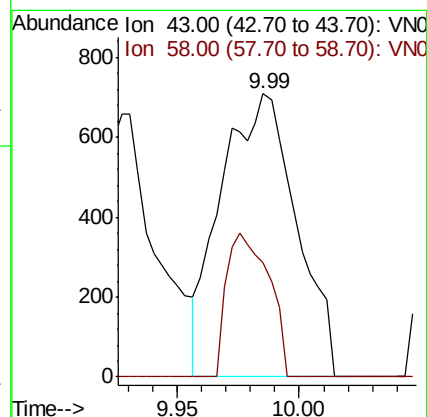
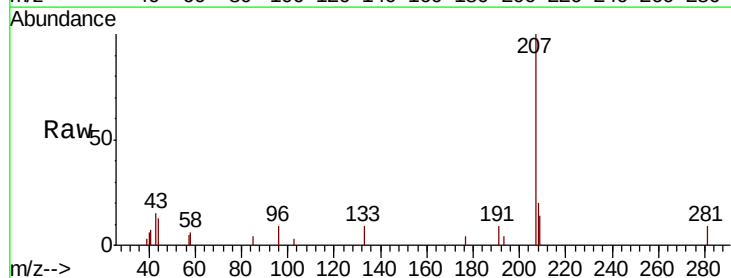
Acq: 11 Oct 2019 21:52

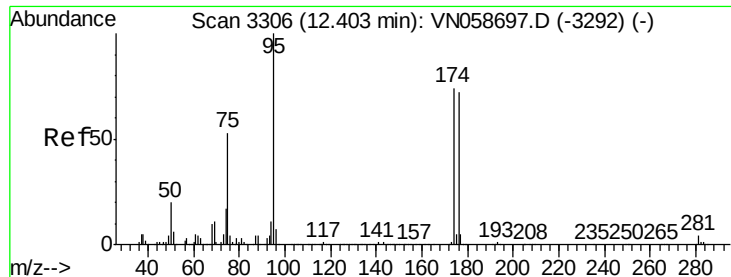
Tgt Ion: 43 Resp: 1520

Ion Ratio Lower Upper

43 100

58 28.6 30.3 45.5#





#62

4-Bromofluorobenzene

Concen: 44.082 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058719.D

Acq: 11 Oct 2019 21:52

Instrument :

MSVOA_N

ClientSampleId :

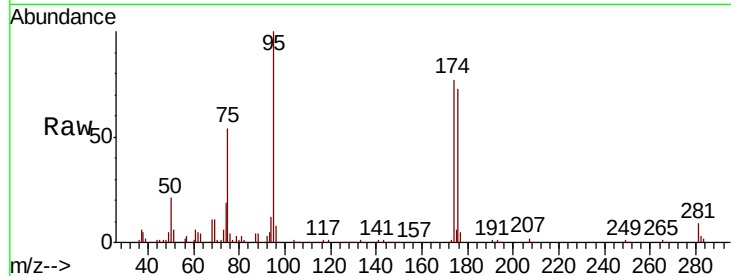
Tot Ion: 95 Resp: 265651

Ion Ratio Lower Upper

95 100

174 76.3 0.0 150.4

176 73.9 0.0 146.8



Abundance Ion 94.90 (94.60 to 95.60): VN058719.D (-3292) (-)

Ion 173.80 (173.50 to 174.50): VN058719.D (-3292) (-)

Ion 175.80 (175.50 to 176.50): VN058719.D (-3292) (-)

12.40

150000

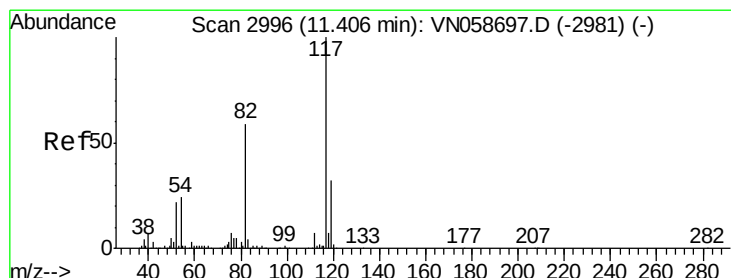
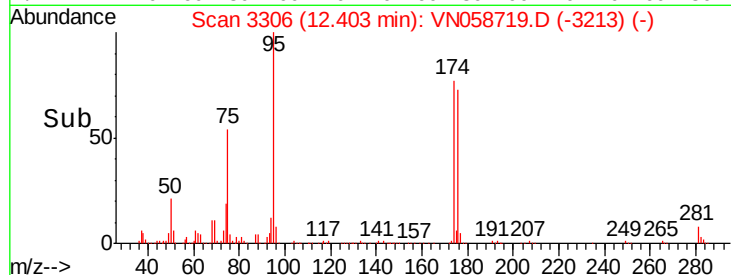
100000

50000

0

12.30 12.40 12.50

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN058719.D

Acq: 11 Oct 2019 21:52

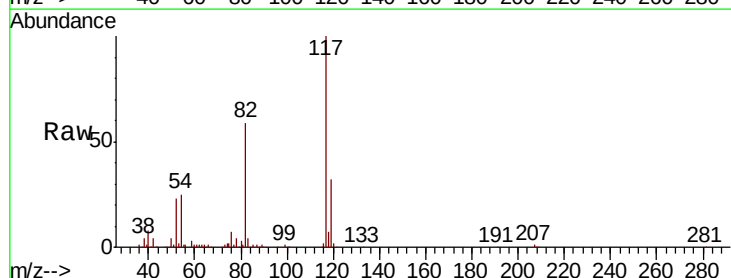
Tgt Ion: 117 Resp: 566155

Ion Ratio Lower Upper

117 100

82 59.2 47.0 70.4

119 31.9 25.4 38.2



Abundance Ion 116.90 (116.60 to 117.60): VN058719.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN058719.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN058719.D (-2981) (-)

11.41

400000

300000

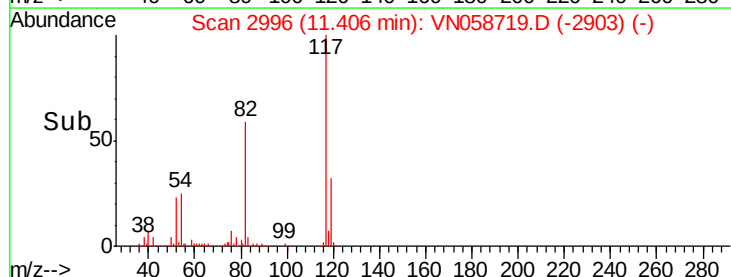
200000

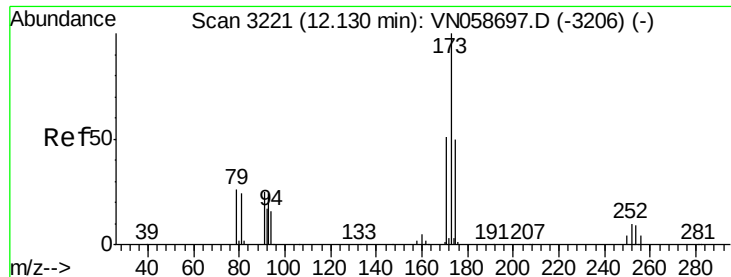
100000

0

11.30 11.40 11.50

Time-->





#71

Bromoform

Concen: 0.518 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.27 min

Lab File: VN058719.D

Acq: 11 Oct 2019 21:52

Instrument :

MSVOA_N

ClientSampleId :

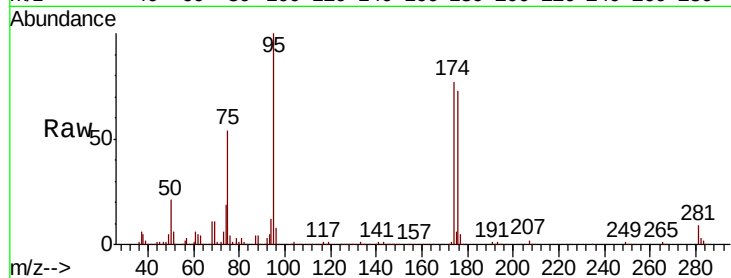
Tot Ion:173 Resp: 1615

Ion Ratio Lower Upper

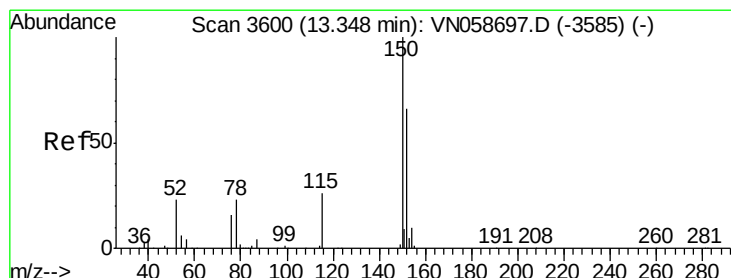
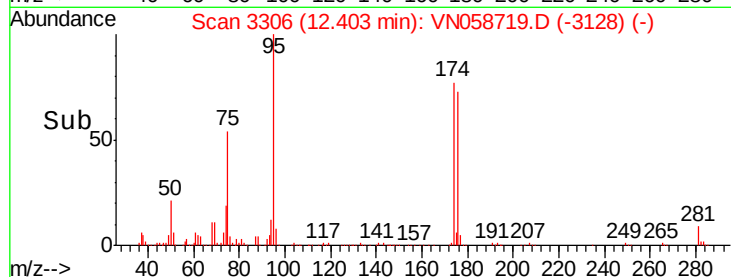
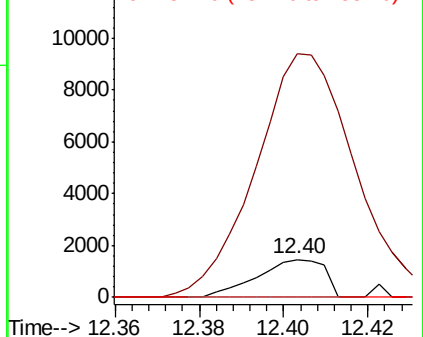
173 100

175 827.4 24.6 73.8#

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: VN058719.D

Acq: 11 Oct 2019 21:52

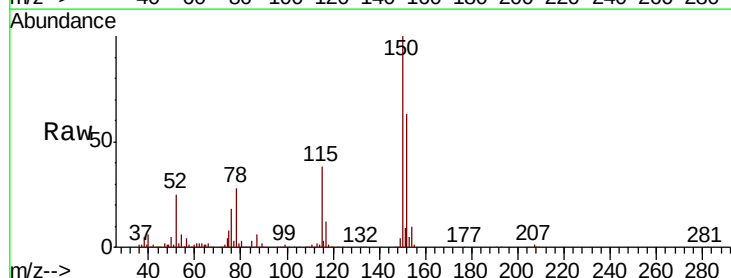
Tgt Ion:152 Resp: 224611

Ion Ratio Lower Upper

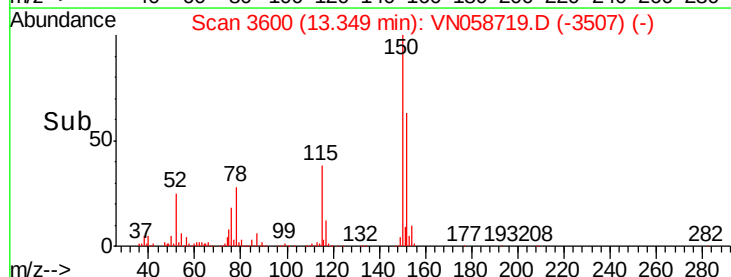
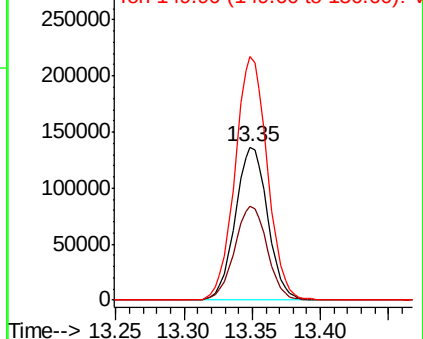
152 100

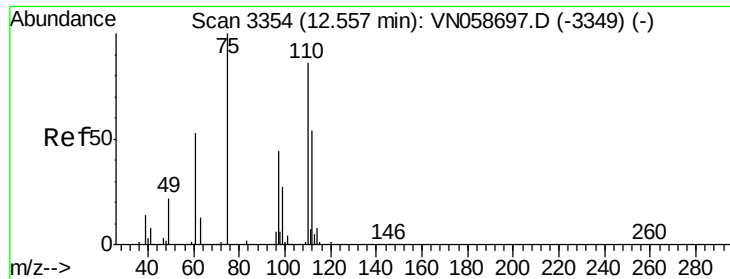
115 61.7 30.4 91.2

150 159.0 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

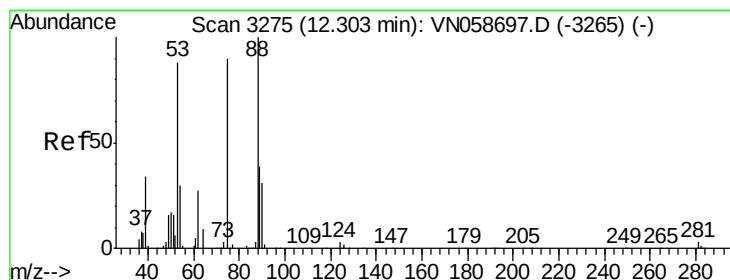
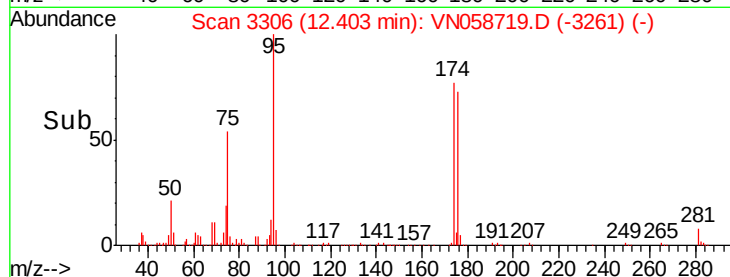
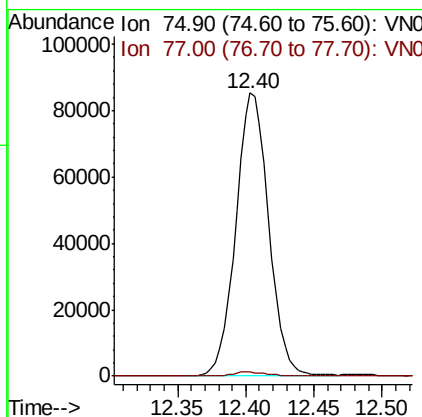
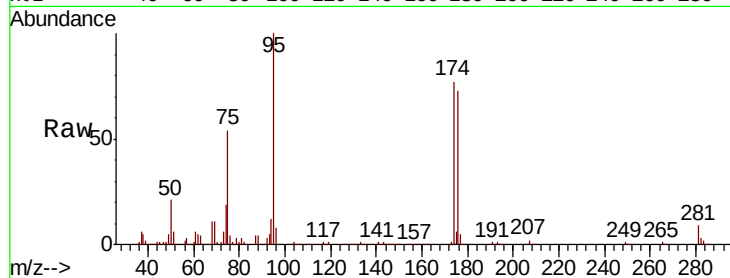




#76
 1,2,3-Trichloropropane
 Concen: 28.597 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. -0.15 min
 Lab File: VN058719.D
 Acq: 11 Oct 2019 21:52

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 75 Resp: 140910
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 76.603 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.10 min
 Lab File: VN058719.D
 Acq: 11 Oct 2019 21:52

Tgt Ion: 75 Resp: 140910
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.4 117.6#
 89 0.2 34.9 52.3#

