

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101319\
 Data File : VN058735.D
 Acq On : 12 Oct 2019 4:28
 Operator : JC/SP
 Sample : K5323-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-2

Quant Time: Oct 12 06:57:55 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	411118	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	652257	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	595040	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	240643	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	295635	51.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.72%	
35) Dibromofluoromethane	7.57	113	211841	52.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.16%	
50) Toluene-d8	10.08	98	831404	51.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.22%	
62) 4-Bromofluorobenzene	12.40	95	273528	44.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.70%	

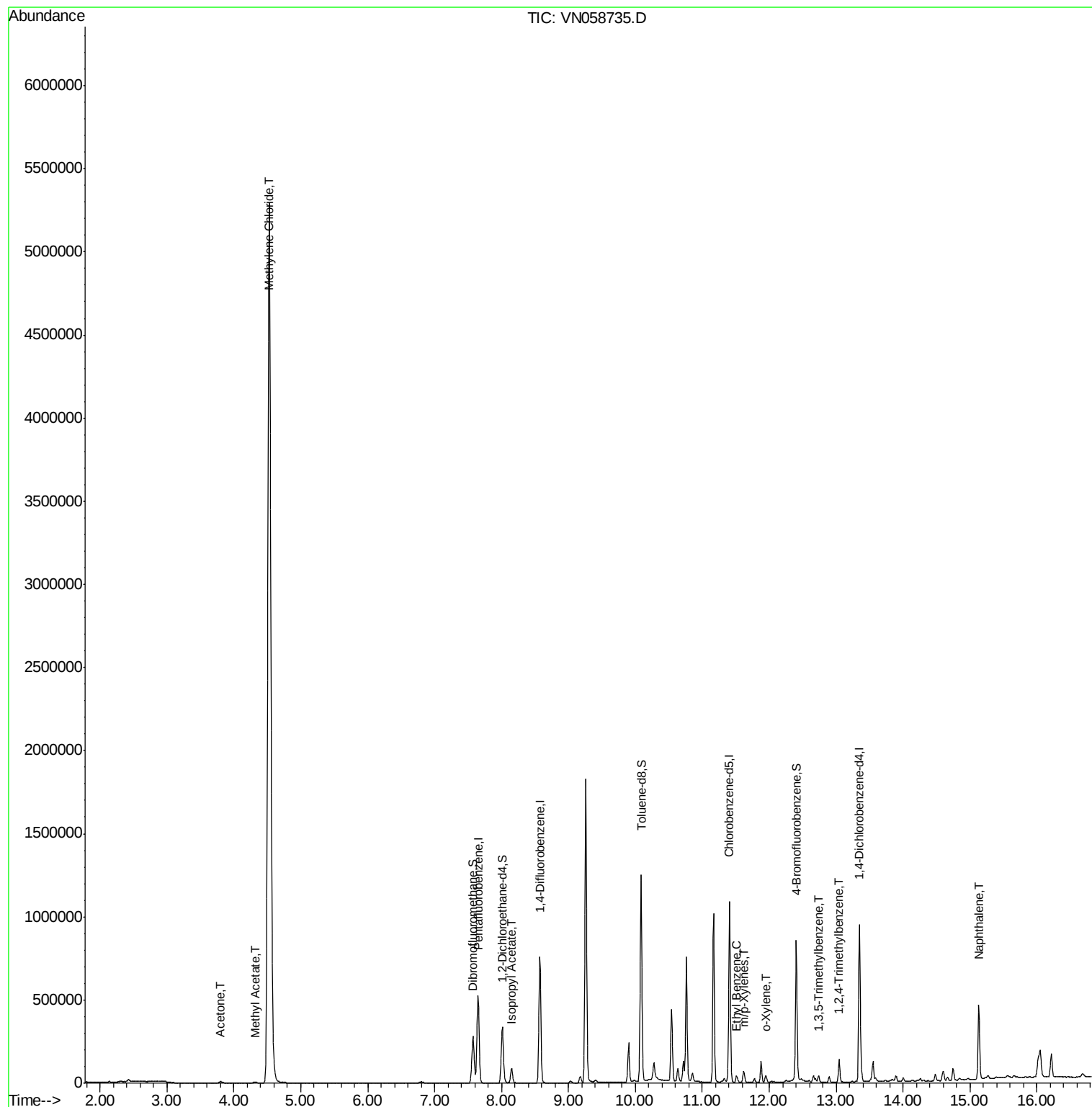
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.80	43	14488	6.080	ug/l	96
18) Methyl Acetate	4.32	43	10673	1.766	ug/l #	87
20) Methylene Chloride	4.53	84	4020539	807.354	ug/l	95
43) Isopropyl Acetate	8.15	43	101473	8.931	ug/l #	90
67) Ethyl Benzene	11.51	91	26649	1.237	ug/l	99
68) m/p-Xylenes	11.62	106	20614	2.550	ug/l	99
69) o-Xylene	11.95	106	10099	1.291	ug/l	93
80) 1,3,5-Trimethylbenzene	12.74	105	19674	1.322	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	76782	5.198	ug/l	99
95) Naphthalene	15.13	128	352061	26.356	ug/l	99

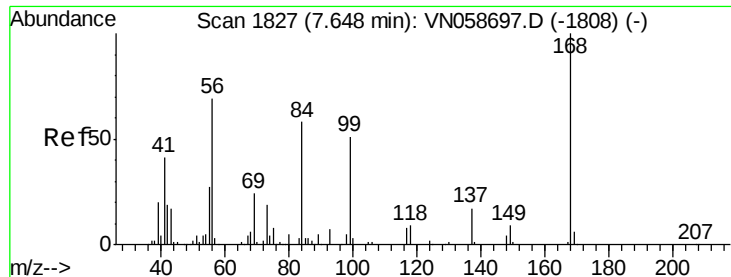
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058735.D

Acq: 12 Oct 2019 4:28

Instrument :

MSVOA_N

ClientSampleId :

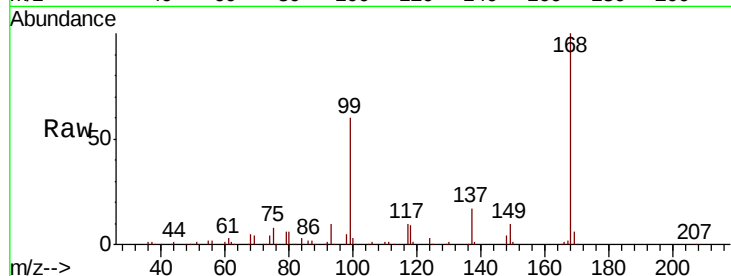
TP-2

Tot Ion:168 Resp: 411118

Ion Ratio Lower Upper

168 100

99 59.6 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): VN058735.D (-1734) (-)

Ion 98.90 (98.60 to 99.60): VN058735.D (-1734) (-)

7.65

150000

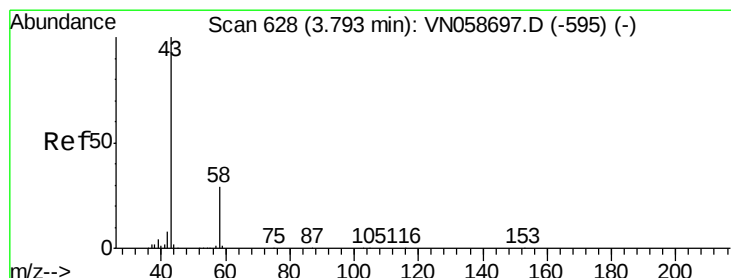
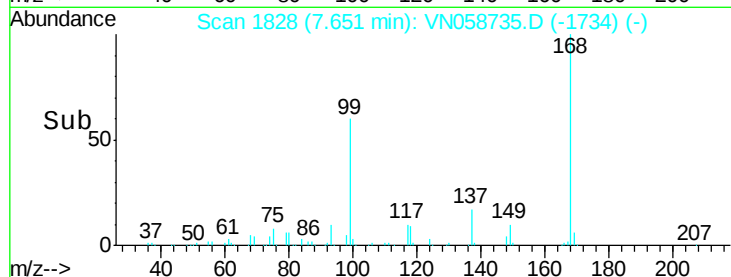
100000

50000

0

7.60 7.70

Time-->



#16

Acetone

Concen: 6.080 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN058735.D

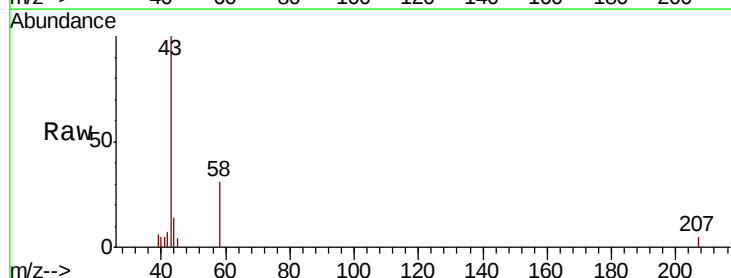
Acq: 12 Oct 2019 4:28

Tgt Ion: 43 Resp: 14488

Ion Ratio Lower Upper

43 100

58 31.2 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VN058735.D (-535) (-)

Ion 58.00 (57.70 to 58.70): VN058735.D (-535) (-)

3.80

6000

5000

4000

3000

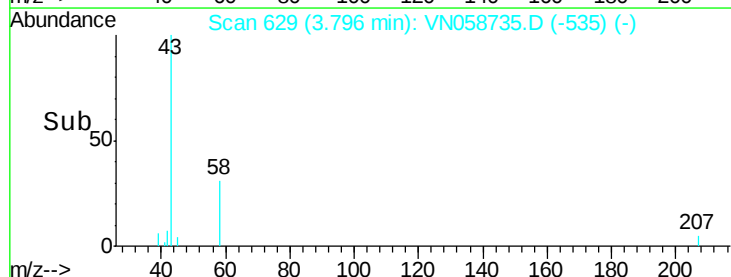
2000

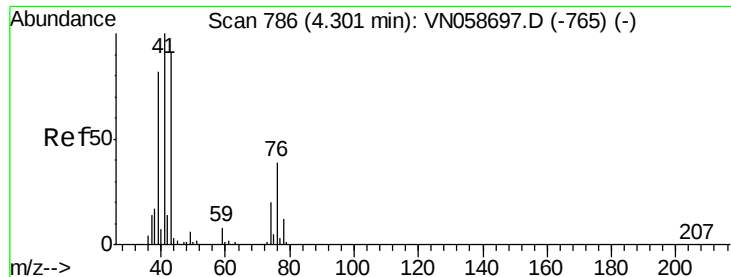
1000

0

3.70 3.75 3.80 3.85 3.90

Time-->

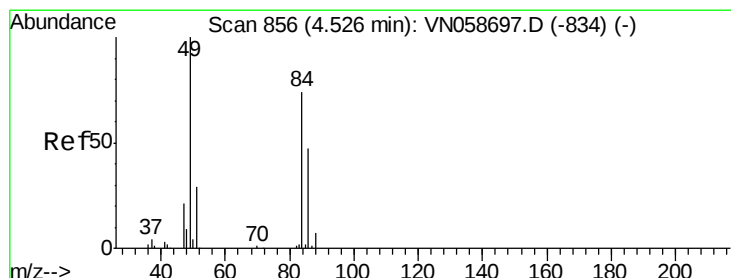
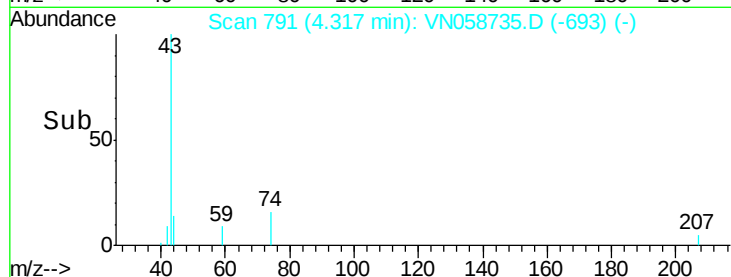
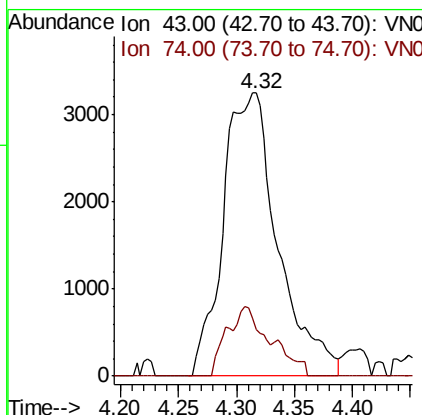
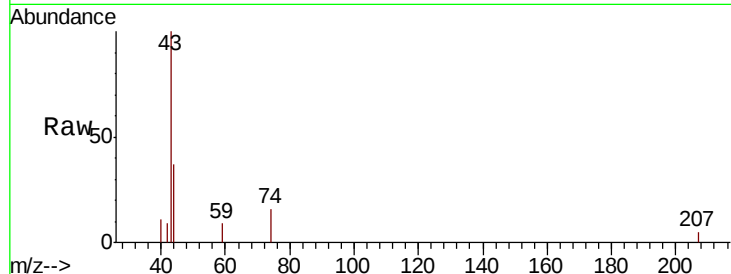




#18
Methyl Acetate
Concen: 1.766 ug/l
RT: 4.32 min Scan# 791
Delta R.T. 0.02 min
Lab File: VN058735.D
Acq: 12 Oct 2019 4:28

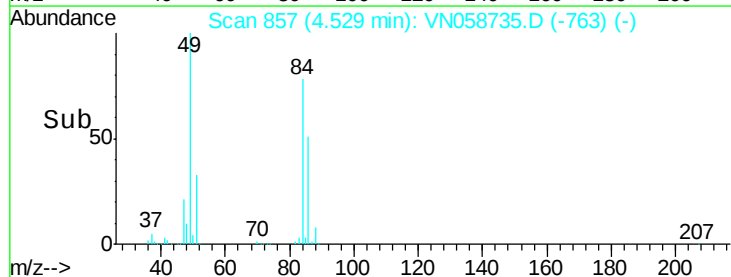
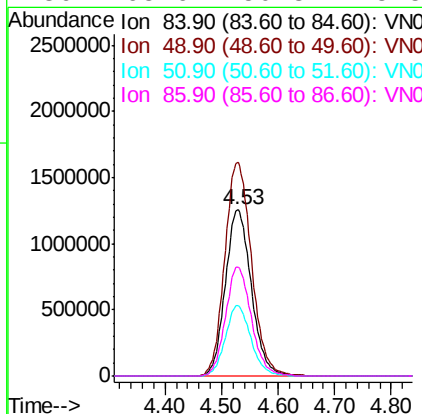
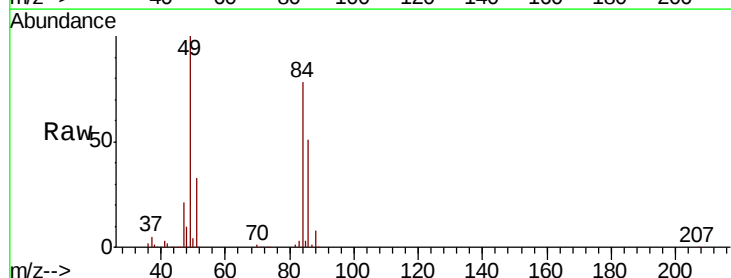
Instrument :
MSVOA_N
ClientSampled :
TP-2

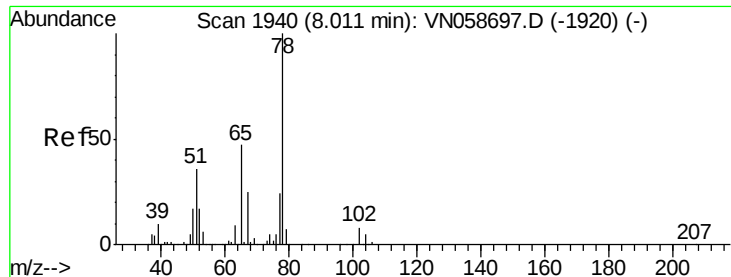
Tot Ion: 43 Resp: 10673
Ion Ratio Lower Upper
43 100
74 15.4 17.2 25.8#



#20
Methylene Chloride
Concen: 807.354 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058735.D
Acq: 12 Oct 2019 4:28

Tgt Ion: 84 Resp: 4020539
Ion Ratio Lower Upper
84 100
49 128.5 107.6 161.4
51 42.3 31.4 47.0
86 65.6 50.3 75.5





#33

1,2-Dichloroethane-d4

Concen: 51.365 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.00 min

Lab File: VN058735.D

Acq: 12 Oct 2019 4:28

Instrument :

MSVOA_N

ClientSampled :

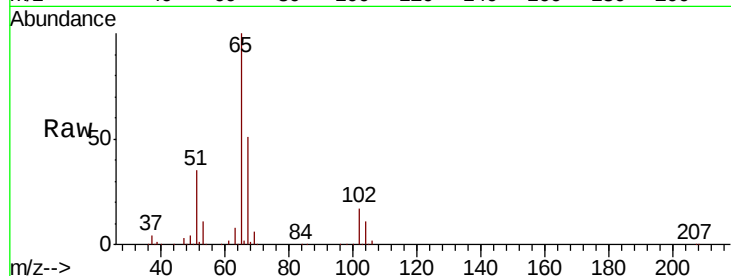
TP-2

Tot Ion: 65 Resp: 295635

Ion Ratio Lower Upper

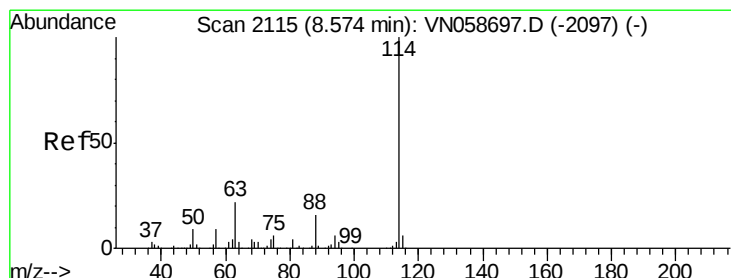
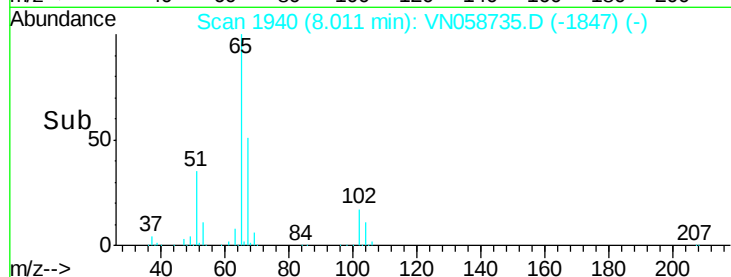
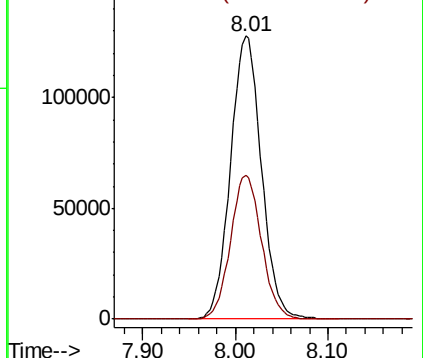
65 100

67 51.2 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN058735.D (-1847) (-)

Ion 66.90 (66.60 to 67.60): VN058735.D (-1847) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VN058735.D

Acq: 12 Oct 2019 4:28

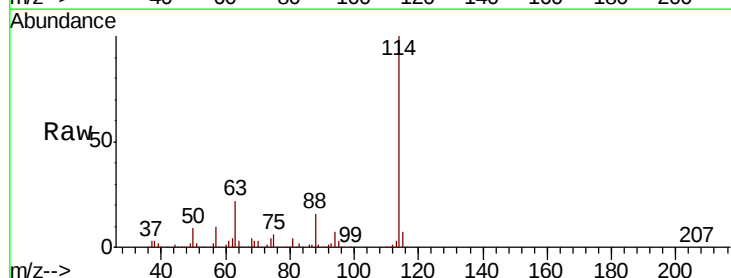
Tgt Ion: 114 Resp: 652257

Ion Ratio Lower Upper

114 100

63 22.2 0.0 43.8

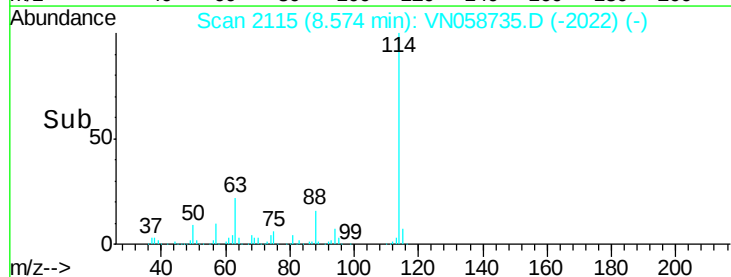
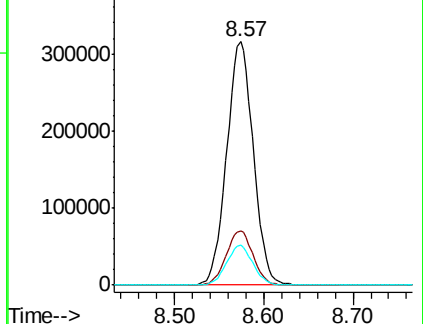
88 16.2 0.0 32.0

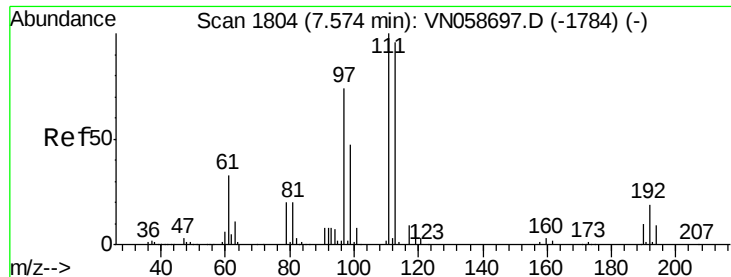


Abundance Ion 113.90 (113.60 to 114.60): VN058735.D (-2022) (-)

Ion 63.00 (62.70 to 63.70): VN058735.D (-2022) (-)

Ion 87.90 (87.60 to 88.60): VN058735.D (-2022) (-)

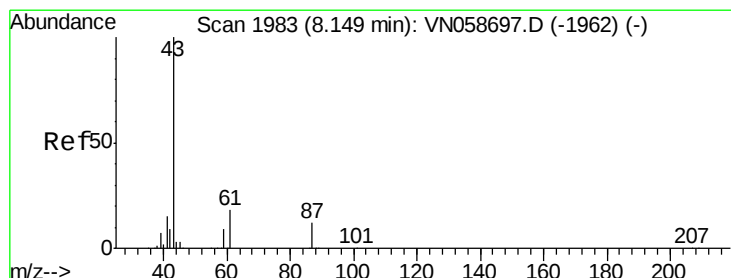
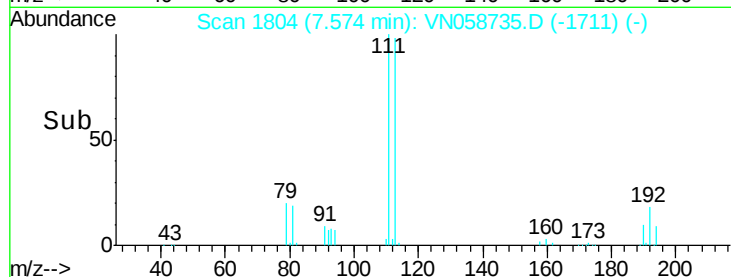
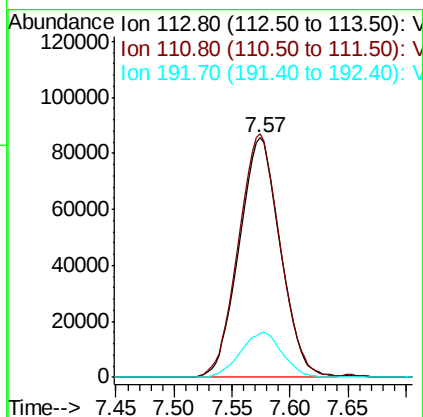
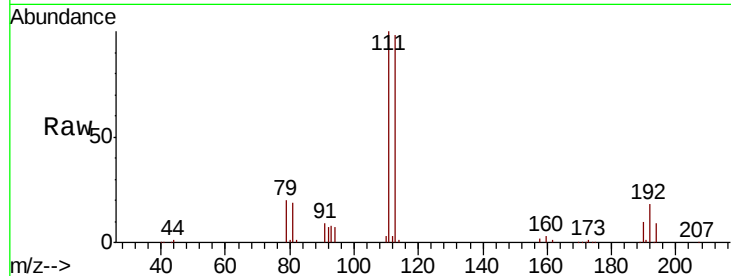




#35
 Dibromofluoromethane
 Concen: 52.581 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058735.D
 Acq: 12 Oct 2019 4:28

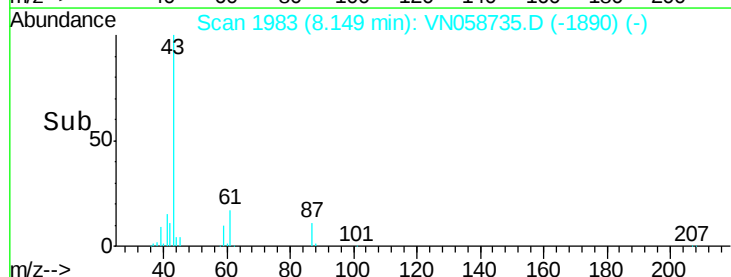
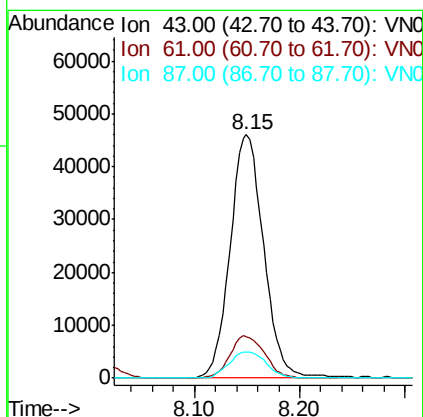
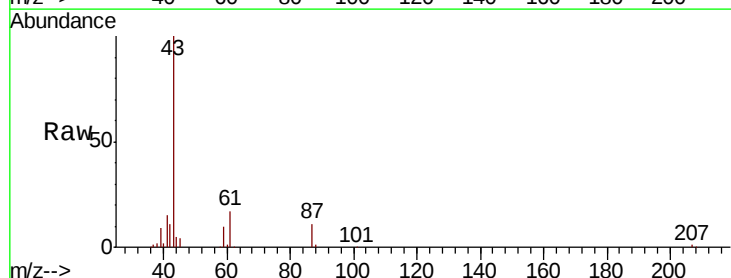
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-2

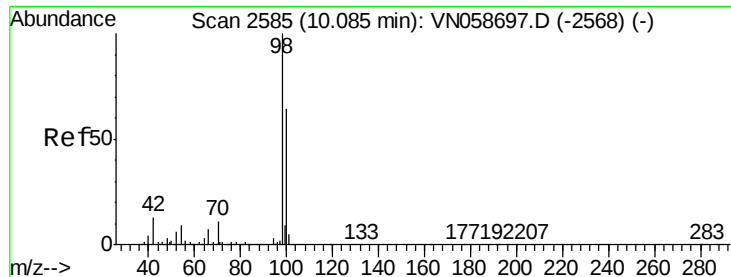
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.3	123.5
192	19.0	15.0	22.6



#43
 Isopropyl Acetate
 Concen: 8.931 ug/l
 RT: 8.15 min Scan# 1983
 Delta R.T. 0.00 min
 Lab File: VN058735.D
 Acq: 12 Oct 2019 4:28

Tgt Ion	Ratio	Lower	Upper
43	100		
61	17.8	20.3	30.5#
87	11.9	9.8	14.6





#50

Toluene-d8

Concen: 51.605 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058735.D

Acq: 12 Oct 2019 4:28

Instrument :

MSVOA_N

ClientSampled :

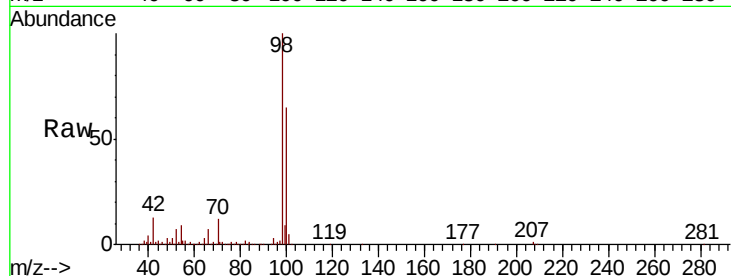
TP-2

Tot Ion: 98 Resp: 831404

Ion Ratio Lower Upper

98 100

100 64.6 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

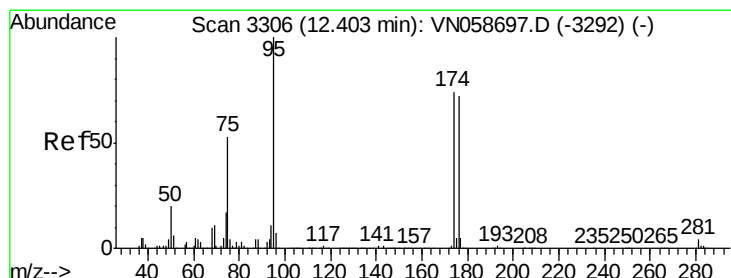
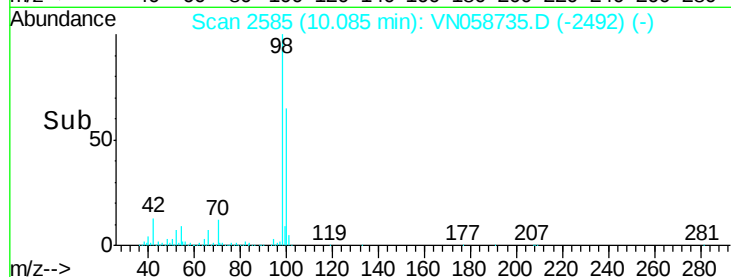
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 44.852 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058735.D

Acq: 12 Oct 2019 4:28

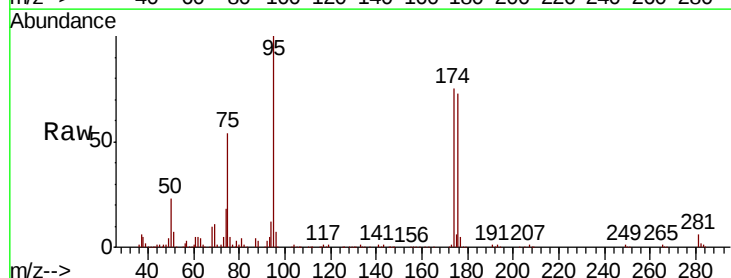
Tgt Ion: 95 Resp: 273528

Ion Ratio Lower Upper

95 100

174 77.2 0.0 150.4

176 74.0 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

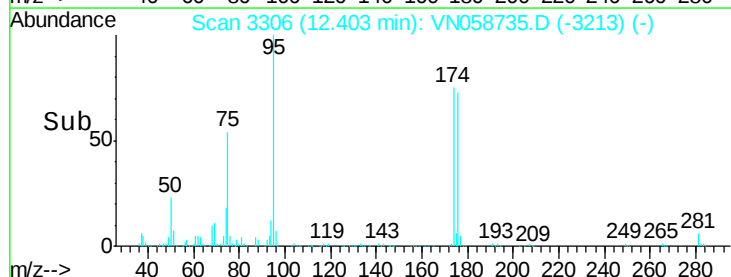
150000

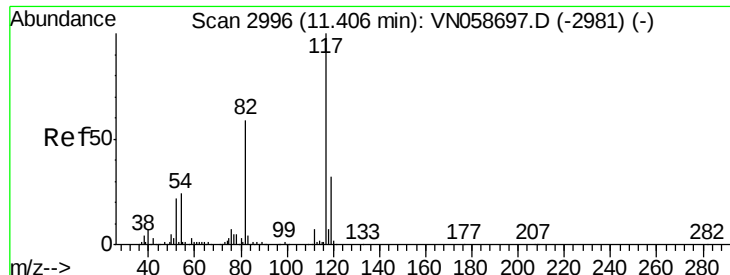
100000

50000

0

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN058735.D

Acq: 12 Oct 2019 4:28

Instrument :

MSVOA_N

ClientSampleId :

TP-2

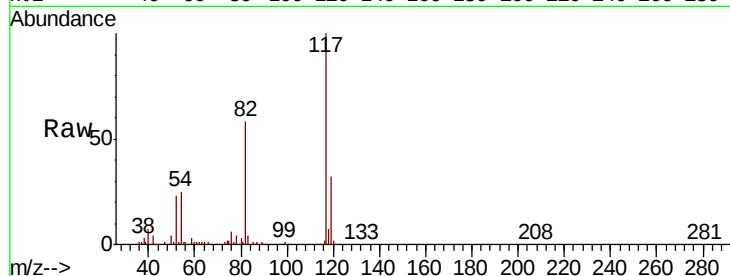
Tot Ion:117 Resp: 595040

Ion Ratio Lower Upper

117 100

82 58.2 47.0 70.4

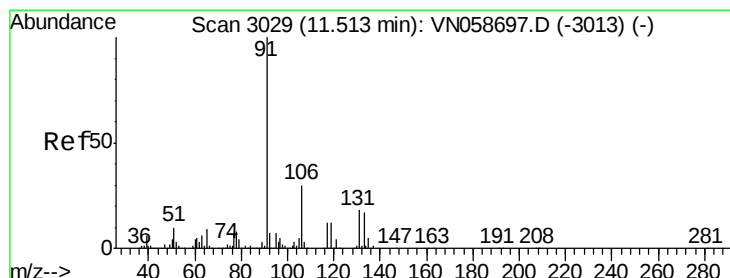
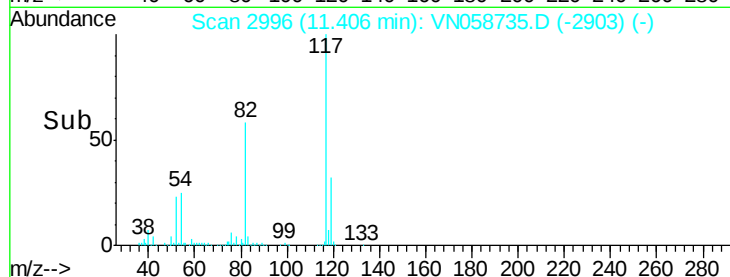
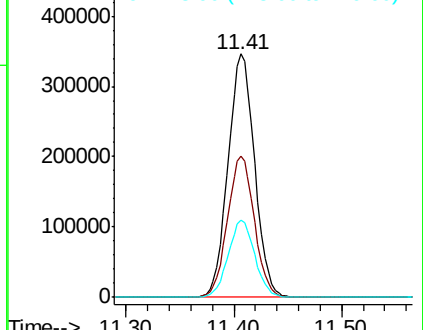
119 31.9 25.4 38.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VNO

Ion 118.90 (118.60 to 119.60): V



#67

Ethyl Benzene

Concen: 1.237 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN058735.D

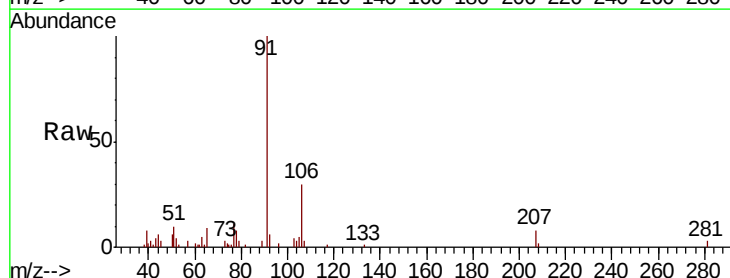
Acq: 12 Oct 2019 4:28

Tgt Ion: 91 Resp: 26649

Ion Ratio Lower Upper

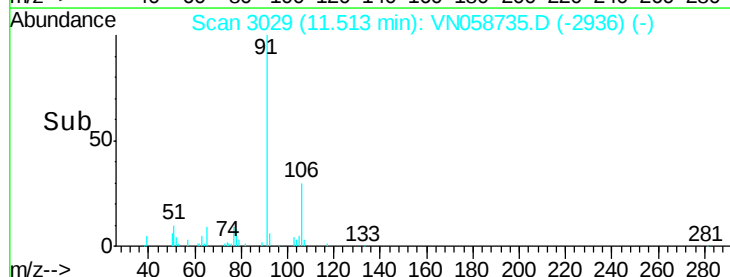
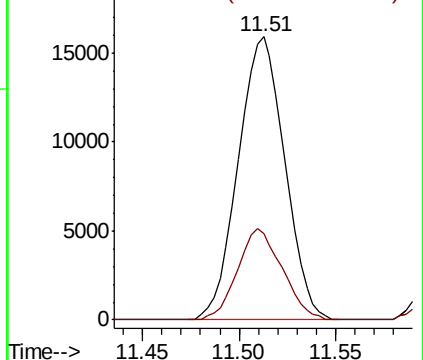
91 100

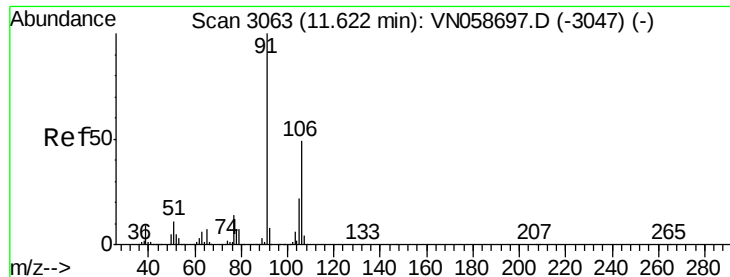
106 30.4 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xylenes

Concen: 2.550 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN058735.D

Acq: 12 Oct 2019 4:28

Instrument :

MSVOA_N

ClientSampleId :

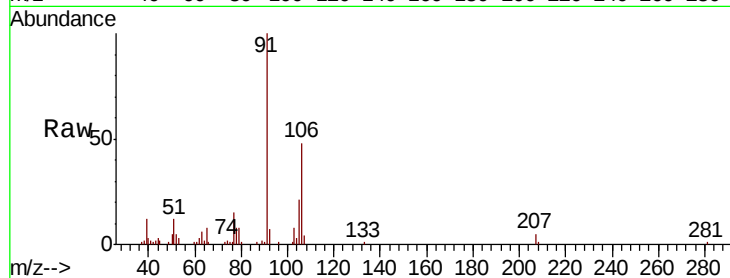
TP-2

Tot Ion:106 Resp: 20614

Ion Ratio Lower Upper

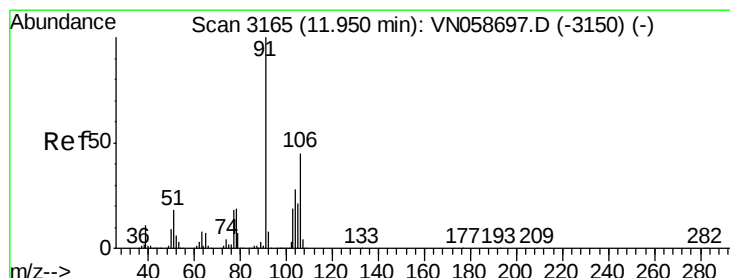
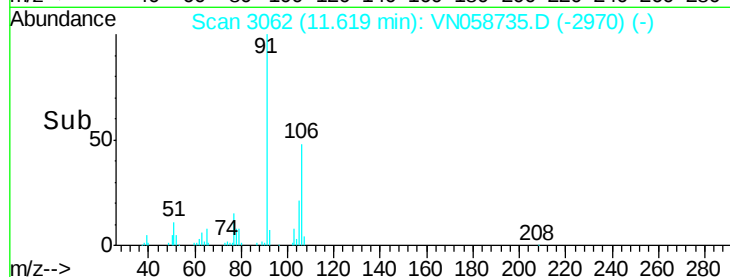
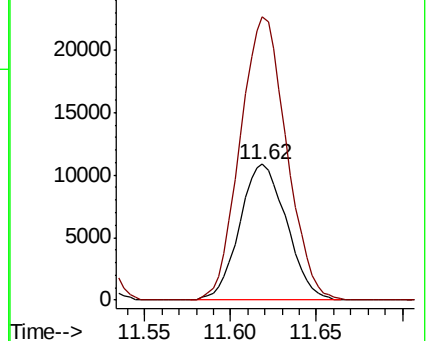
106 100

91 205.5 165.7 248.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#69

o-Xylene

Concen: 1.291 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. 0.00 min

Lab File: VN058735.D

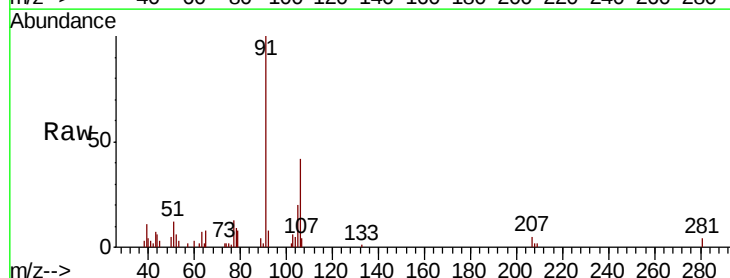
Acq: 12 Oct 2019 4:28

Tgt Ion:106 Resp: 10099

Ion Ratio Lower Upper

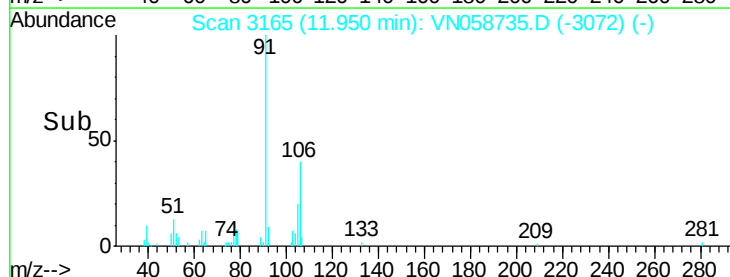
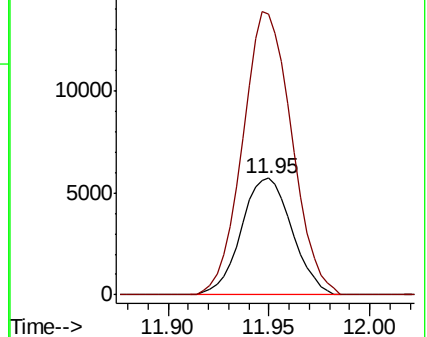
106 100

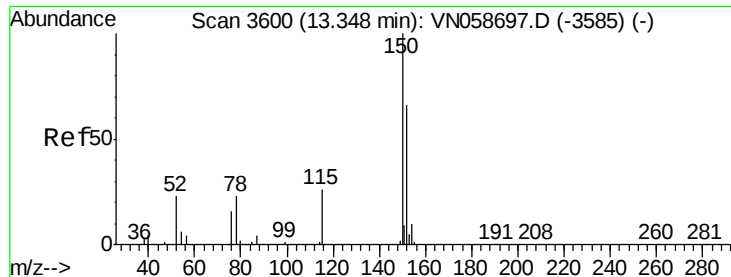
91 233.9 110.9 332.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058735.D

Acq: 12 Oct 2019 4:28

Instrument :

MSVOA_N

ClientSampled :

TP-2

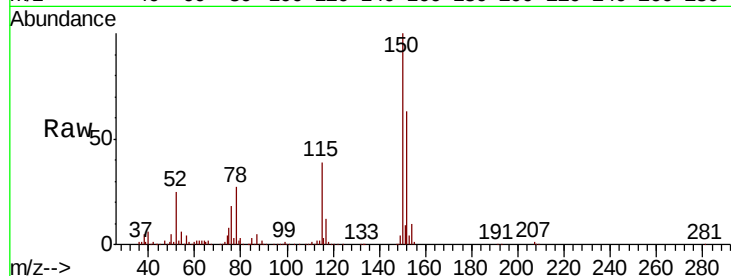
Tot Ion:152 Resp: 240643

Ion Ratio Lower Upper

152 100

115 62.2 30.4 91.2

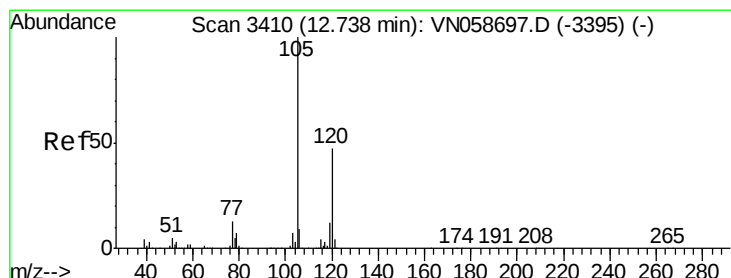
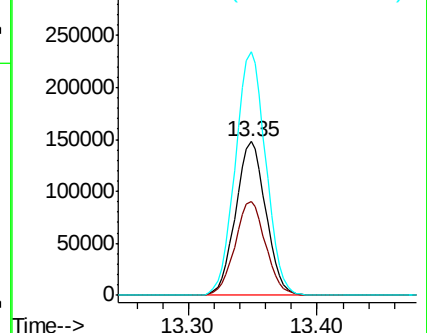
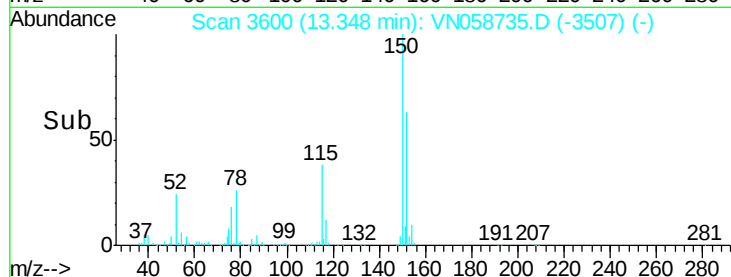
150 159.8 0.0 345.4



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



#80

1,3,5-Trimethylbenzene

Concen: 1.322 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058735.D

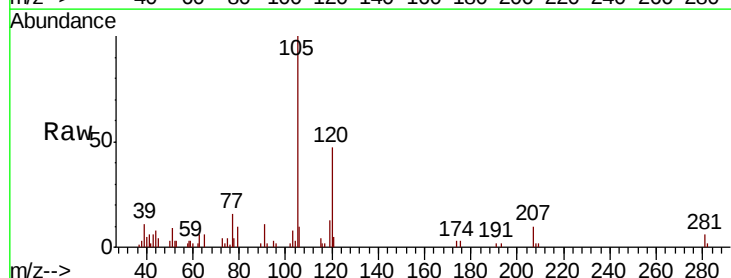
Acq: 12 Oct 2019 4:28

Tgt Ion:105 Resp: 19674

Ion Ratio Lower Upper

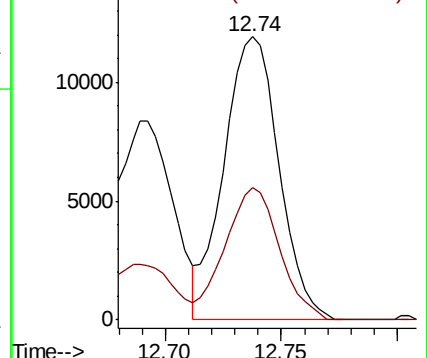
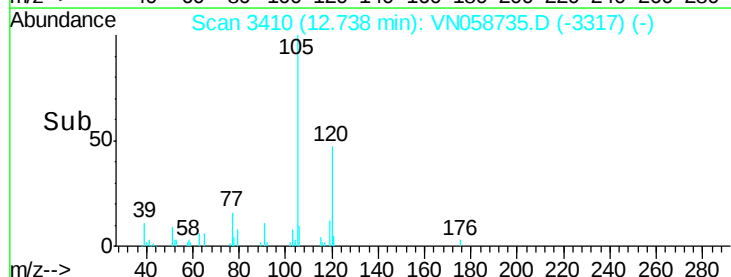
105 100

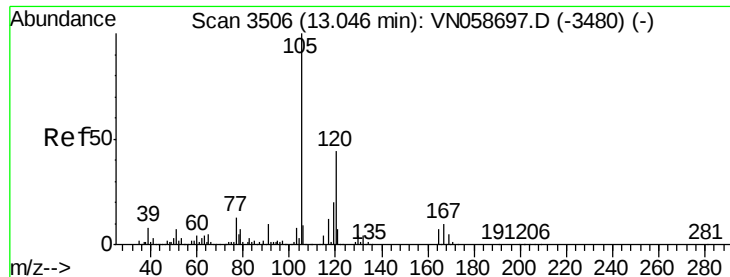
120 46.1 23.4 70.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#84

1,2,4-Trimethylbenzene

Concen: 5.198 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. -0.00 min

Lab File: VN058735.D

Acq: 12 Oct 2019 4:28

Instrument :

MSVOA_N

ClientSampled :

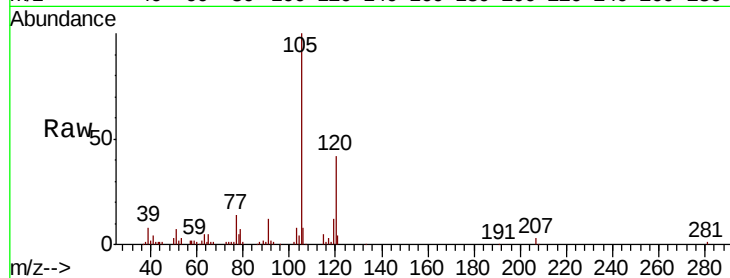
TP-2

Tot Ion:105 Resp: 76782

Ion Ratio Lower Upper

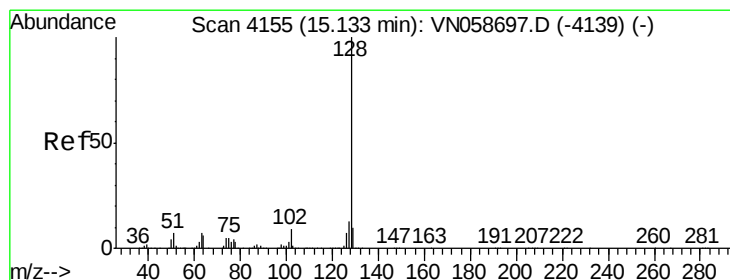
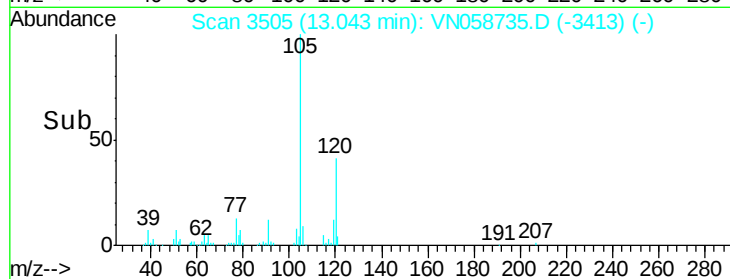
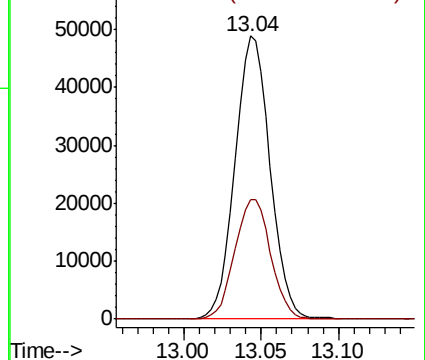
105 100

120 43.2 21.9 65.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#95

Naphthalene

Concen: 26.356 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058735.D

Acq: 12 Oct 2019 4:28

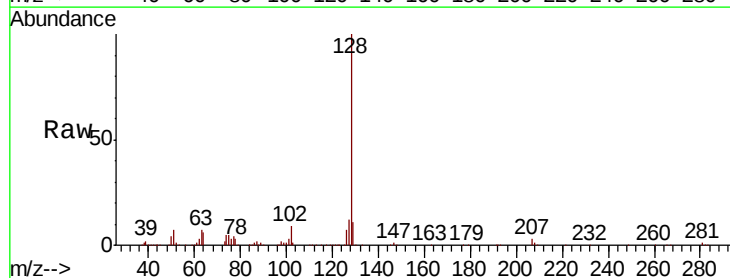
Tgt Ion:128 Resp: 352061

Ion Ratio Lower Upper

128 100

127 12.6 10.2 15.4

129 10.8 8.5 12.7



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

