

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN022619\
 Data File : VN053966.D
 Acq On : 26 Feb 2019 20:12
 Operator : JC/SP
 Sample : K1348-08
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 OK-02-022519

Quant Time: Feb 27 03:27:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 26 05:37:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	558401	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1066396	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1051964	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	426322	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	378061	57.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.52%	
35) Dibromofluoromethane	7.59	113	344898	50.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.02%	
50) Toluene-d8	10.09	98	1354086	52.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.50%	
62) 4-Bromofluorobenzene	12.40	95	471622	55.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.28%	

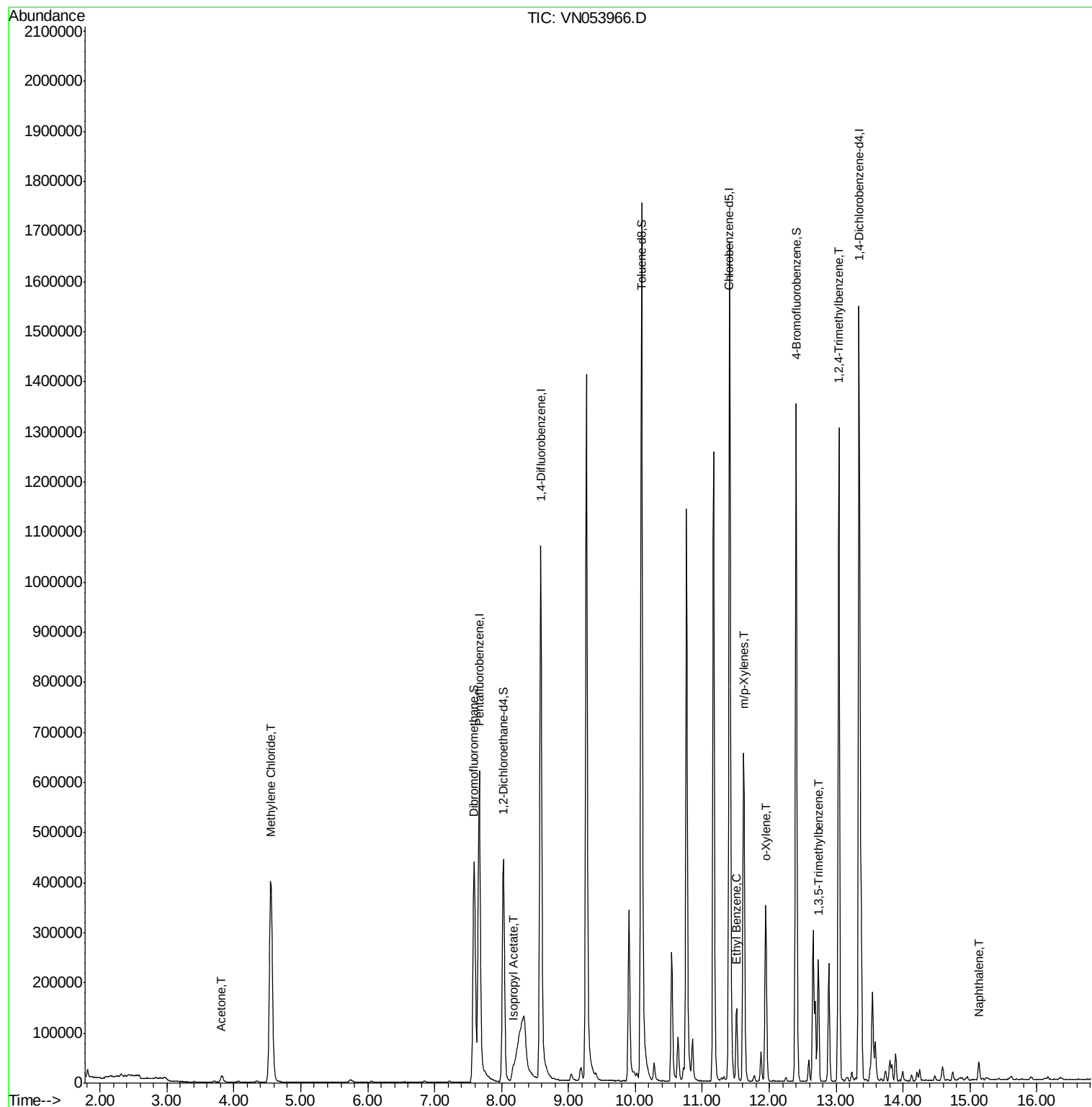
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	22784	1.041	ug/l	97
20) Methylene Chloride	4.55	84	309586	47.787	ug/l	89
43) Isopropyl Acetate	8.17	43	31293	2.617	ug/l #	90
67) Ethyl Benzene	11.51	91	112465	3.022	ug/l	98
68) m/p-Xylenes	11.62	106	220240	15.678	ug/l	99
69) o-Xylene	11.95	106	100133	7.255	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	133304	4.907	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	735699	27.124	ug/l	99
95) Naphthalene	15.13	128	30777	4.918	ug/l	98

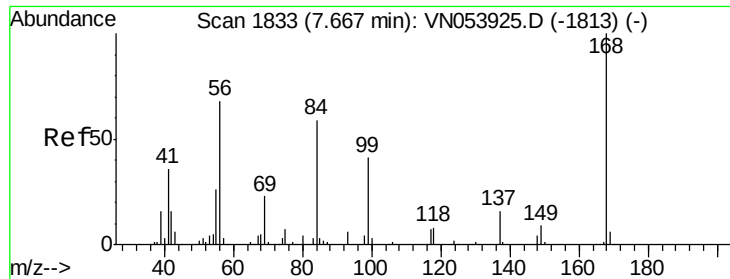
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053966.D

Acq: 26 Feb 2019 20:12

Instrument :

MSVOA_N

ClientSampleId :

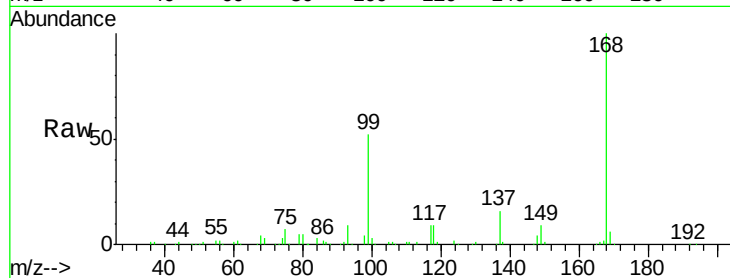
OK-02-022519

Tgt Ion:168 Resp: 558401

Ion Ratio Lower Upper

168 100

99 52.2 36.9 55.3



Abundance Ion 167.90 (167.60 to 168.60): VN053925.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN053925.D (-1813) (-)

7.67

250000

200000

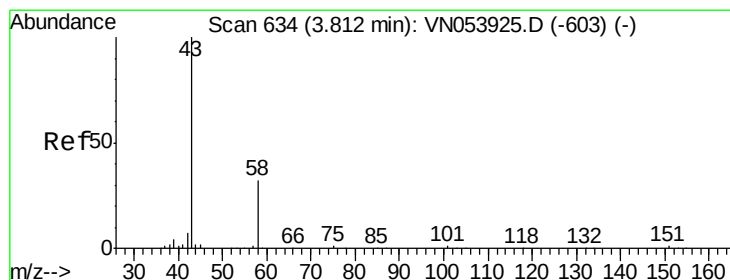
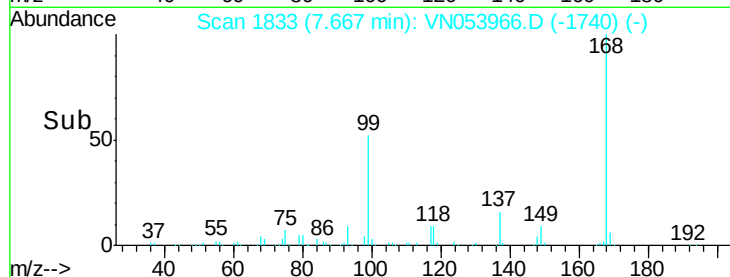
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 1.041 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN053966.D

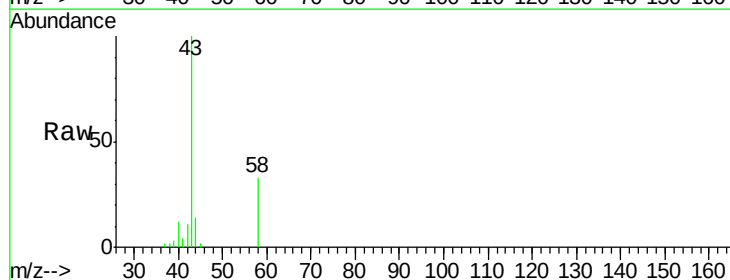
Acq: 26 Feb 2019 20:12

Tgt Ion: 43 Resp: 22784

Ion Ratio Lower Upper

43 100

58 32.6 27.6 41.4



Abundance Ion 43.00 (42.70 to 43.70): VN053925.D (-603) (-)

Ion 58.00 (57.70 to 58.70): VN053925.D (-603) (-)

3.82

8000

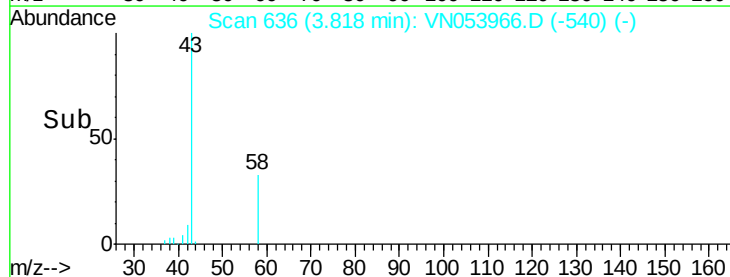
6000

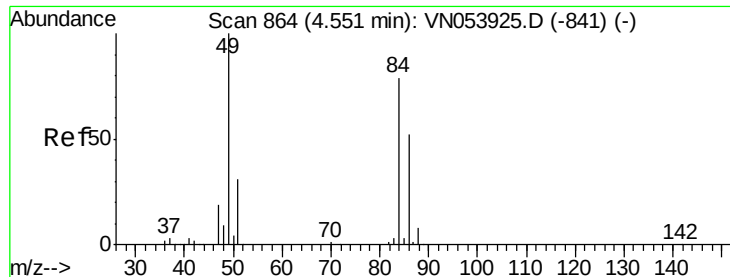
4000

2000

0

Time-->

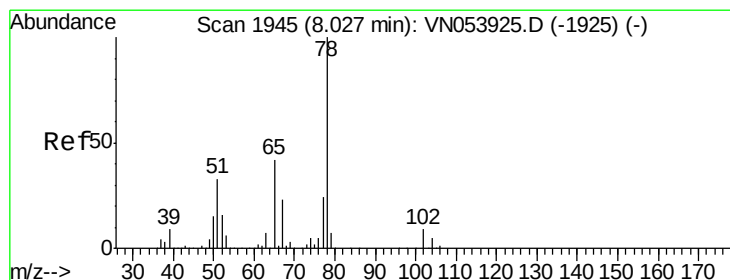
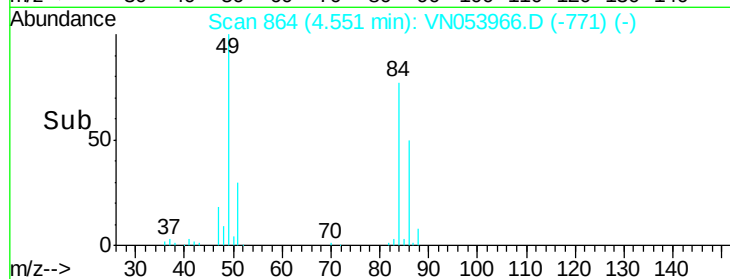
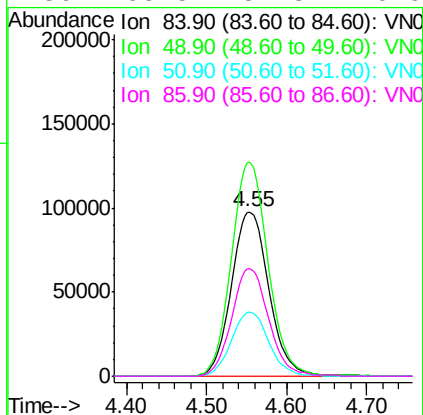
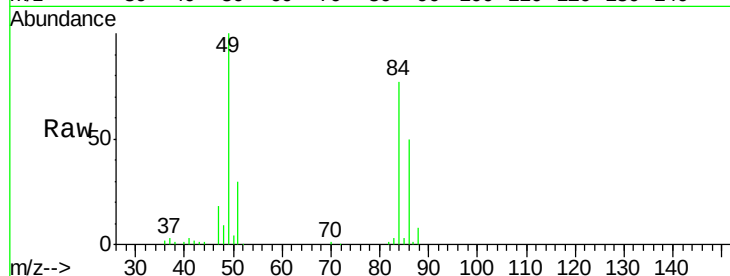




#20
Methylene Chloride
Concen: 47.787 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN053966.D
Acq: 26 Feb 2019 20:12

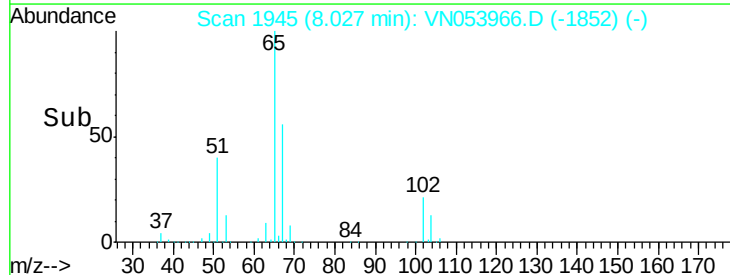
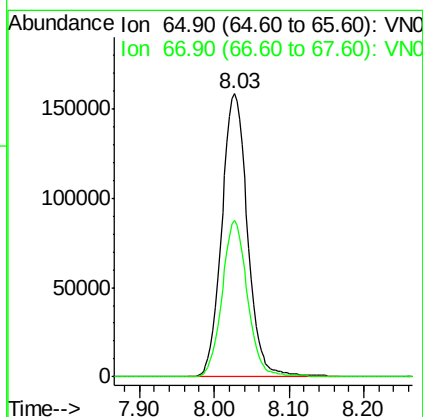
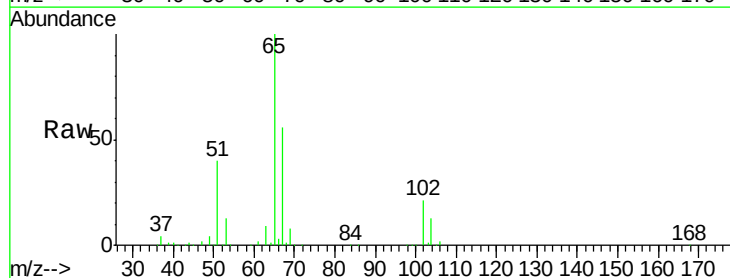
Instrument :
MSVOA_N
ClientSampleId :
OK-02-022519

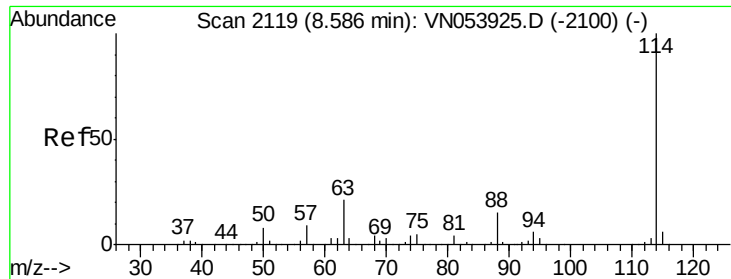
Tgt Ion:	84	Resp:	309586
Ion	Ratio	Lower	Upper
84	100		
49	129.8	89.7	134.5
51	39.1	27.8	41.8
86	65.5	51.3	76.9



#33
1,2-Dichloroethane-d4
Concen: 57.757 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN053966.D
Acq: 26 Feb 2019 20:12

Tgt Ion:	65	Resp:	378061
Ion	Ratio	Lower	Upper
65	100		
67	54.5	0.0	111.8

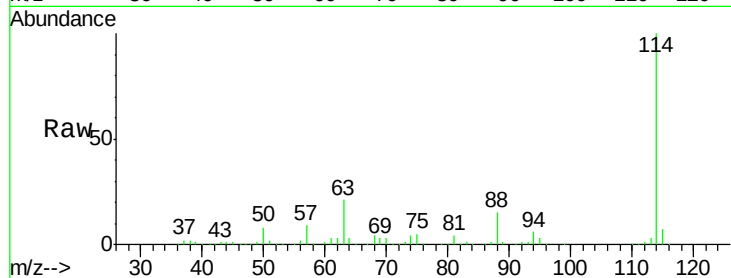




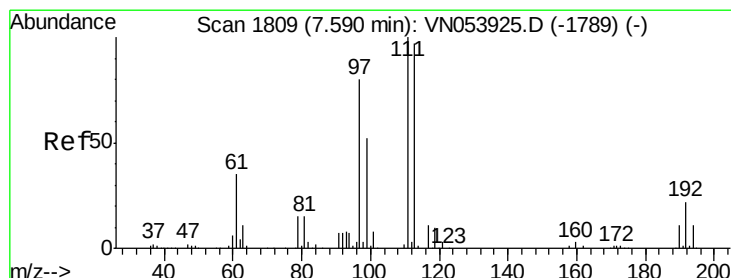
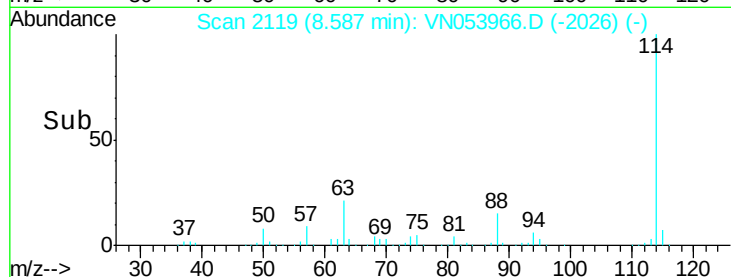
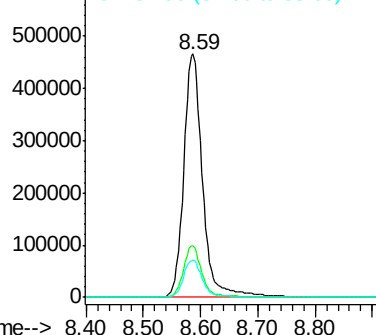
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053966.D
 Acq: 26 Feb 2019 20:12

Instrument :
 MSVOA_N
 ClientSampleId :
 OK-02-022519

Tgt Ion:114 Resp: 1066396
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 37.4
 88 15.2 0.0 30.4

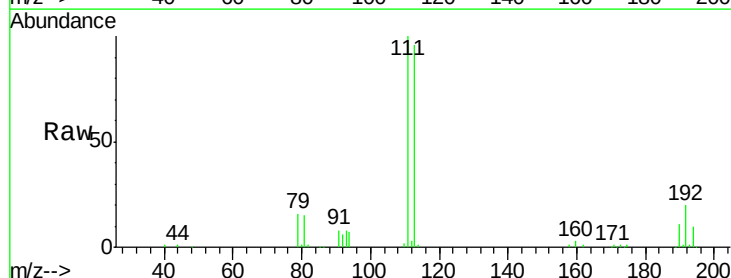


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

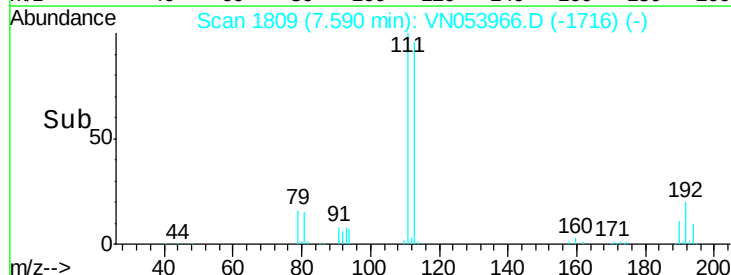
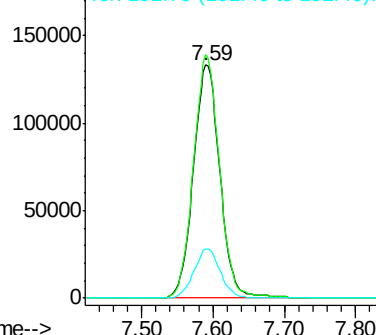


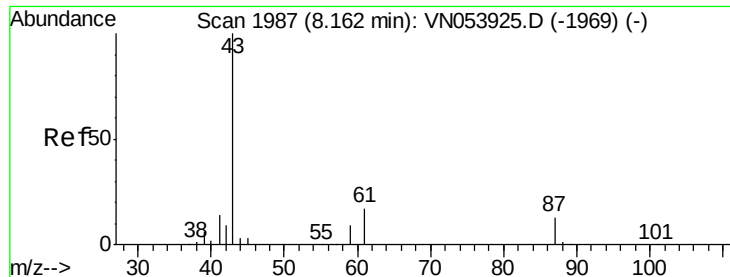
#35
 Dibromofluoromethane
 Concen: 50.015 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN053966.D
 Acq: 26 Feb 2019 20:12

Tgt Ion:113 Resp: 344898
 Ion Ratio Lower Upper
 113 100
 111 102.4 81.1 121.7
 192 21.0 18.8 28.2



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





#43

Isopropyl Acetate

Concen: 2.617 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.01 min

Lab File: VN053966.D

Acq: 26 Feb 2019 20:12

Instrument :

MSVOA_N

ClientSampleId :

OK-02-022519

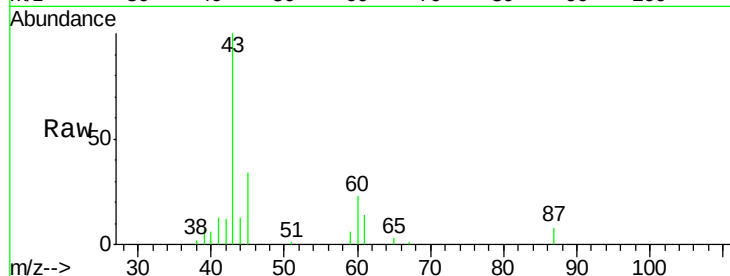
Tgt Ion: 43 Resp: 31293

Ion Ratio Lower Upper

43 100

61 17.0 17.4 26.0#

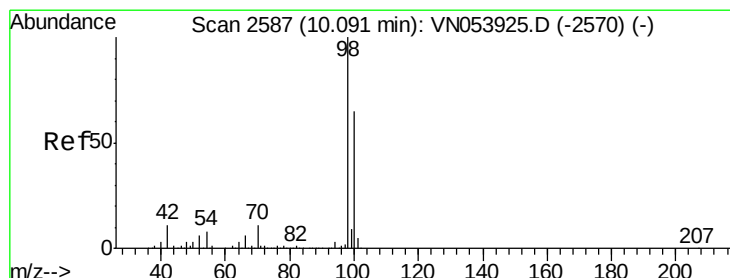
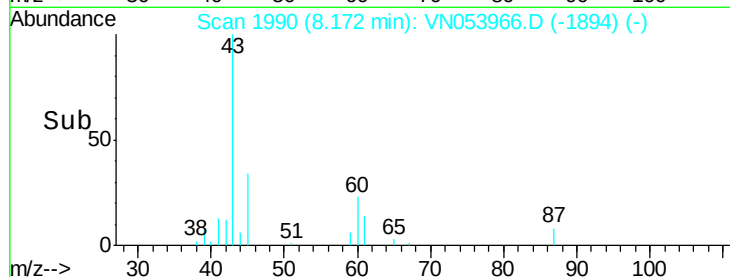
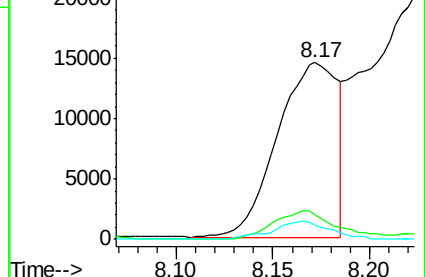
87 9.8 11.5 17.3#



Abundance Ion 43.00 (42.70 to 43.70): VN053925.D (-1969) (-)

Ion 61.00 (60.70 to 61.70): VN053925.D (-1969) (-)

Ion 87.00 (86.70 to 87.70): VN053925.D (-1969) (-)



#50

Toluene-d8

Concen: 52.749 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053966.D

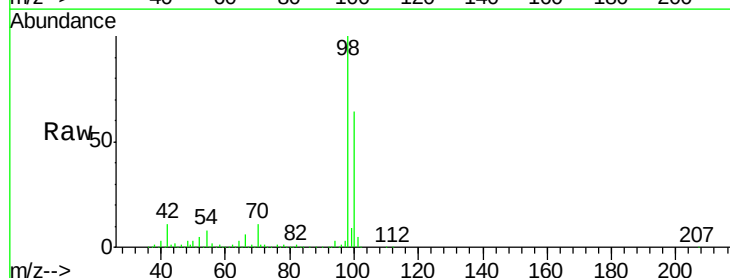
Acq: 26 Feb 2019 20:12

Tgt Ion: 98 Resp: 1354086

Ion Ratio Lower Upper

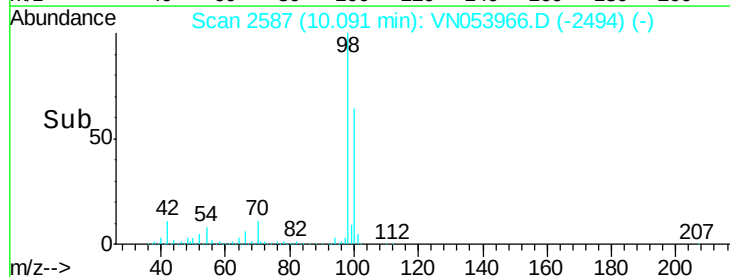
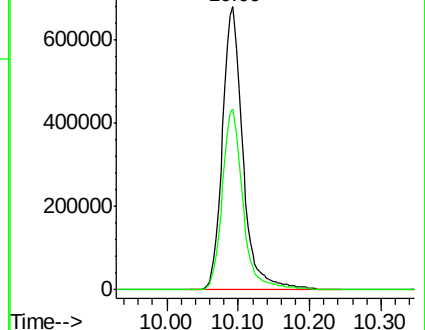
98 100

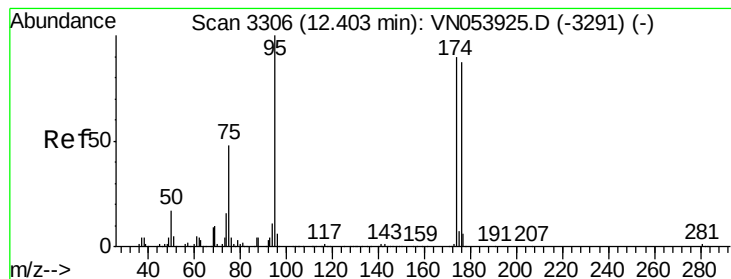
100 64.2 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN053925.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN053925.D (-2570) (-)





#62

4-Bromofluorobenzene

Concen: 55.143 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN053966.D

Acq: 26 Feb 2019 20:12

Instrument :

MSVOA_N

ClientSampleId :

OK-02-022519

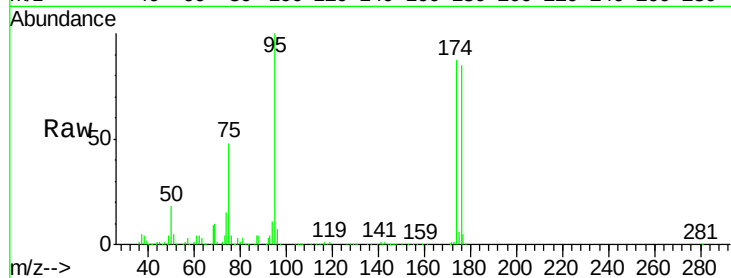
Tgt Ion: 95 Resp: 471622

Ion Ratio Lower Upper

95 100

174 86.4 0.0 188.8

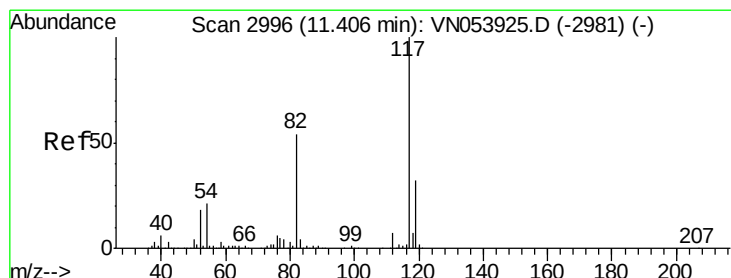
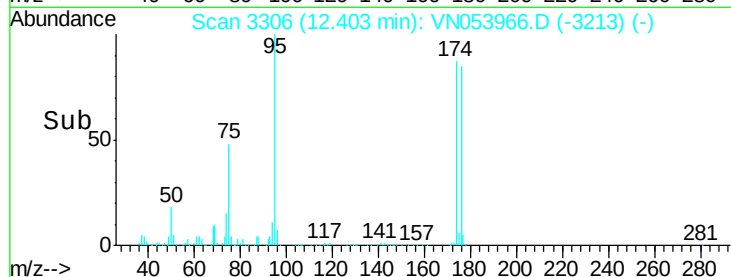
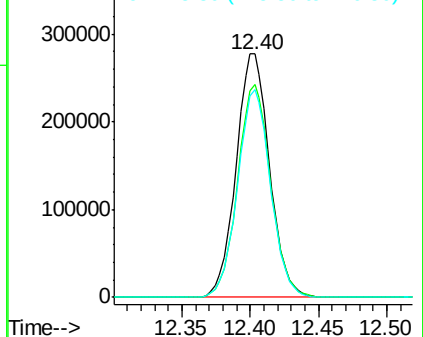
176 84.2 0.0 182.6



Abundance Ion 94.90 (94.60 to 95.60): VN053925.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN053925.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN053925.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN053966.D

Acq: 26 Feb 2019 20:12

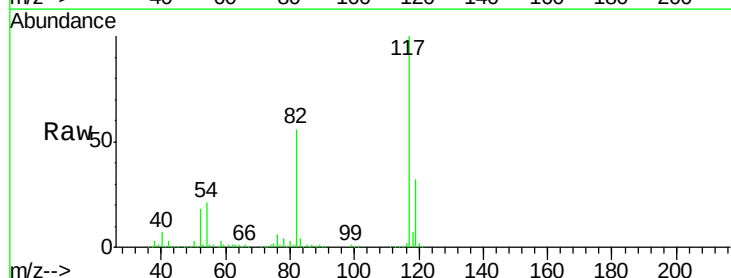
Tgt Ion: 117 Resp: 1051964

Ion Ratio Lower Upper

117 100

82 56.0 41.4 62.2

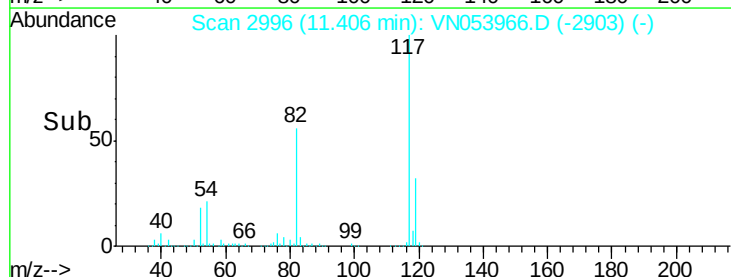
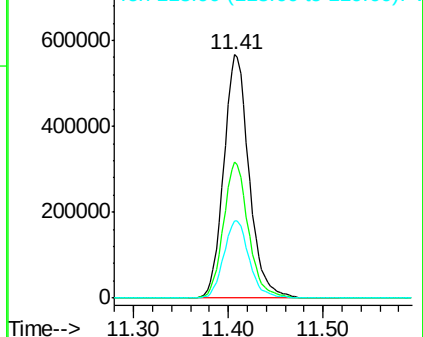
119 31.9 25.3 37.9

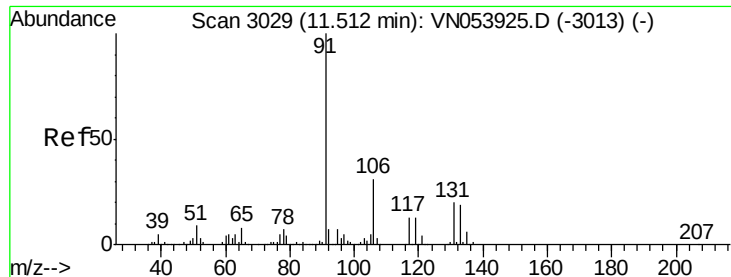


Abundance Ion 116.90 (116.60 to 117.60): VN053925.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN053925.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN053925.D (-2981) (-)

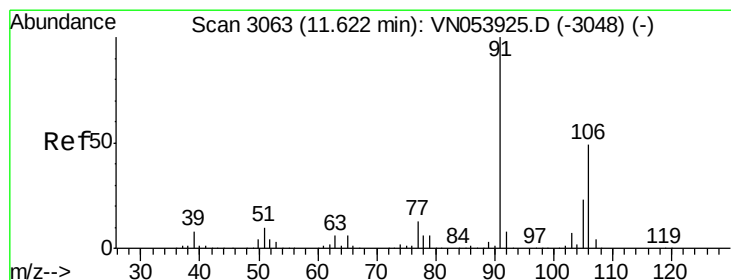
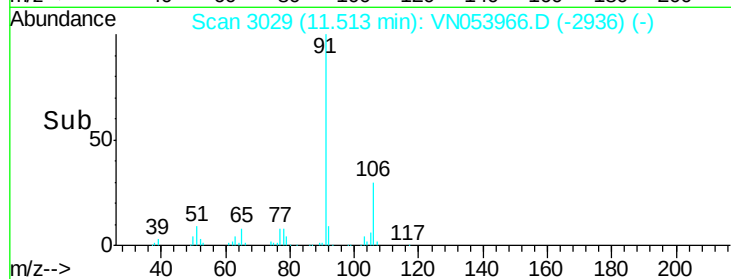
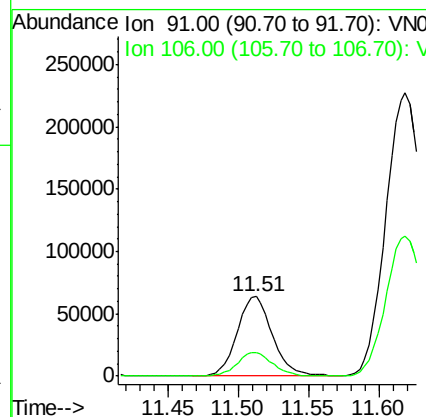
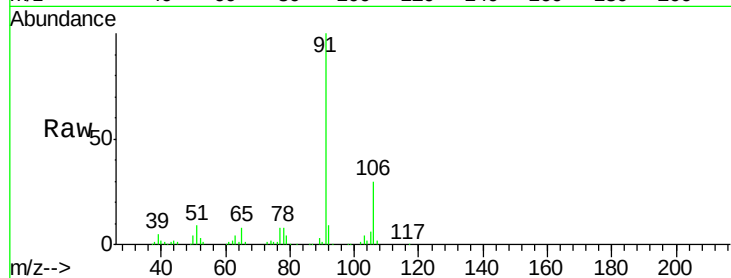




#67
Ethyl Benzene
Concen: 3.022 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053966.D
Acq: 26 Feb 2019 20:12

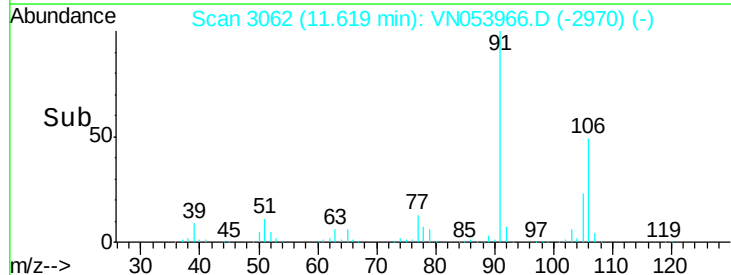
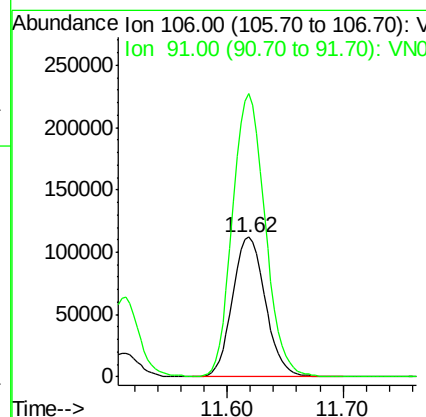
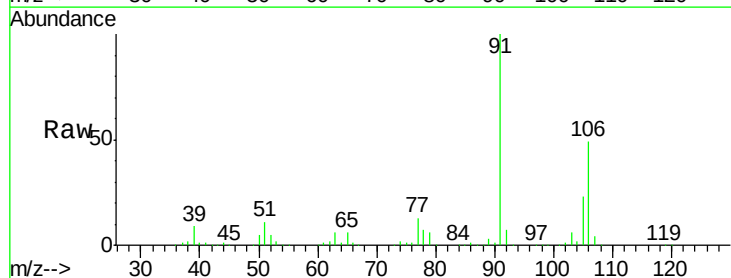
Instrument :
MSVOA_N
ClientSampled :
OK-02-022519

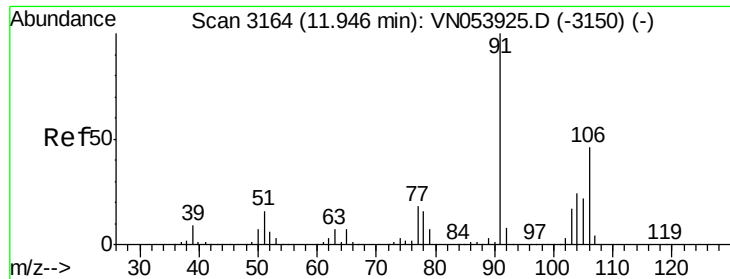
Tgt Ion: 91 Resp: 112465
Ion Ratio Lower Upper
91 100
106 30.1 25.2 37.8



#68
m/p-Xylenes
Concen: 15.678 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN053966.D
Acq: 26 Feb 2019 20:12

Tgt Ion: 106 Resp: 220240
Ion Ratio Lower Upper
106 100
91 200.8 158.9 238.3

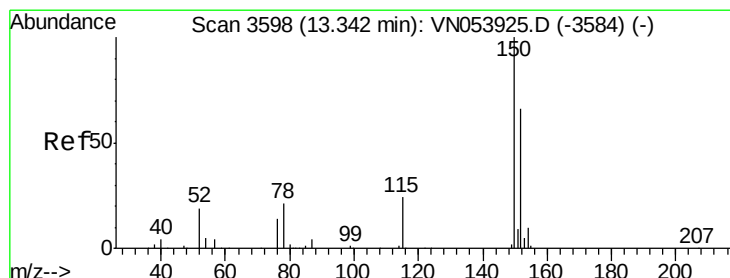
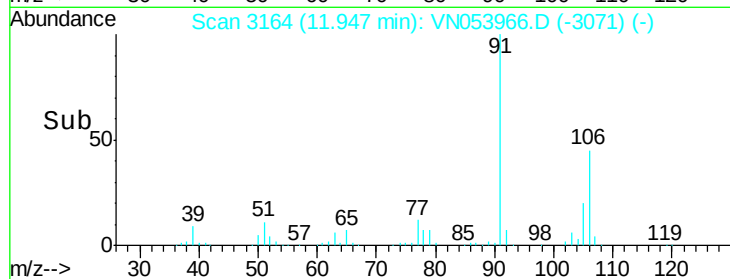
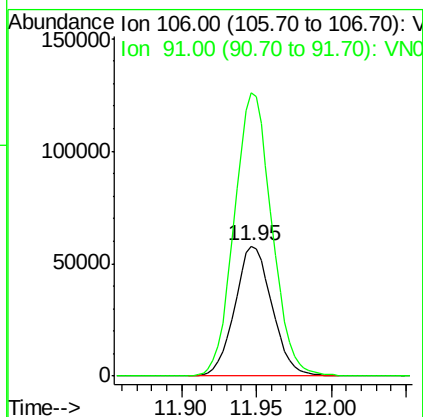
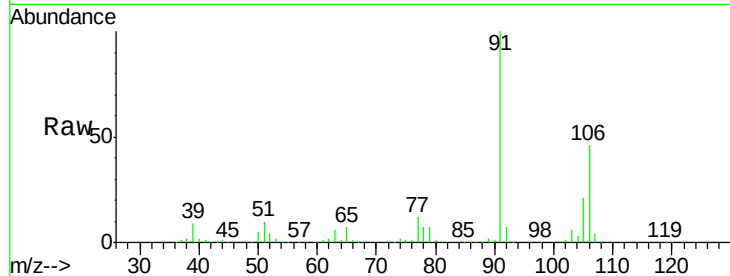




#69
o-Xylene
Concen: 7.255 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053966.D
Acq: 26 Feb 2019 20:12

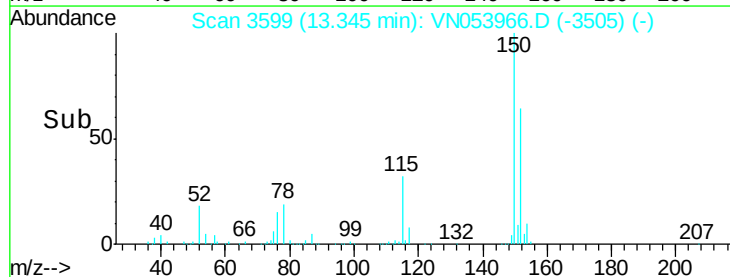
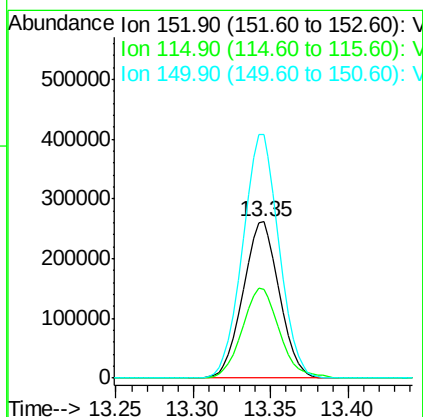
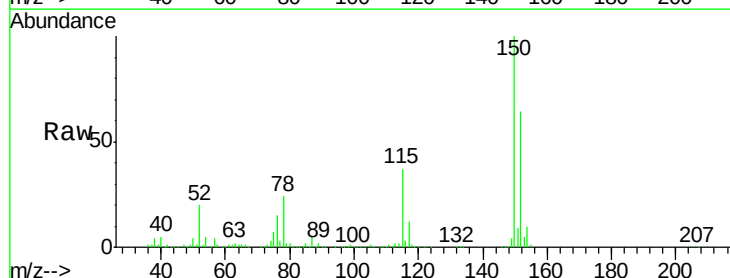
Instrument :
MSVOA_N
ClientSampled :
OK-02-022519

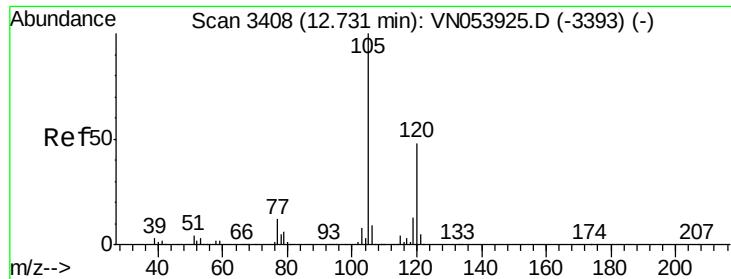
Tgt Ion:106 Resp: 100133
Ion Ratio Lower Upper
106 100
91 220.0 106.0 318.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053966.D
Acq: 26 Feb 2019 20:12

Tgt Ion:152 Resp: 426322
Ion Ratio Lower Upper
152 100
115 59.5 27.2 81.6
150 156.3 0.0 348.2

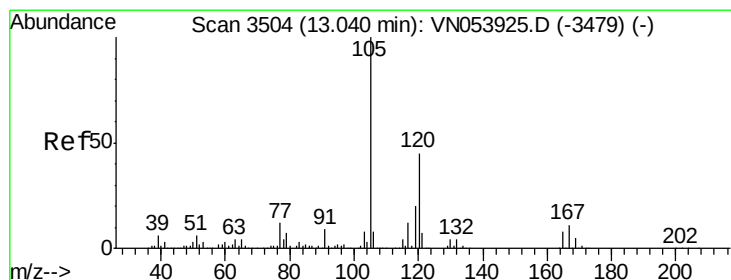
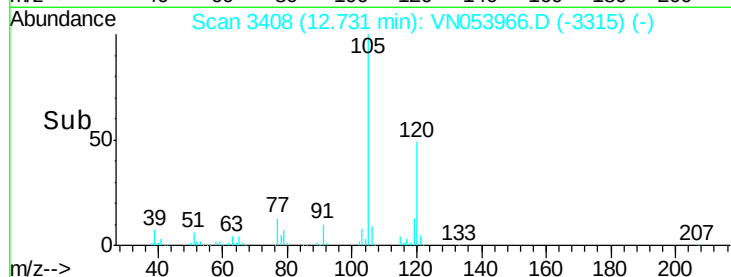
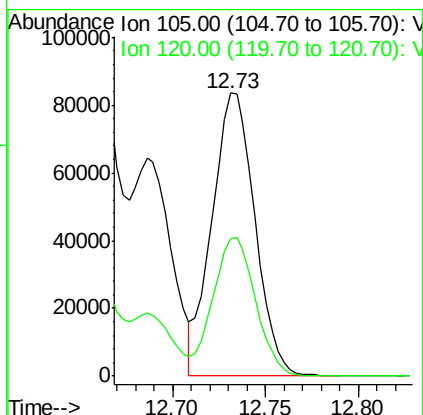
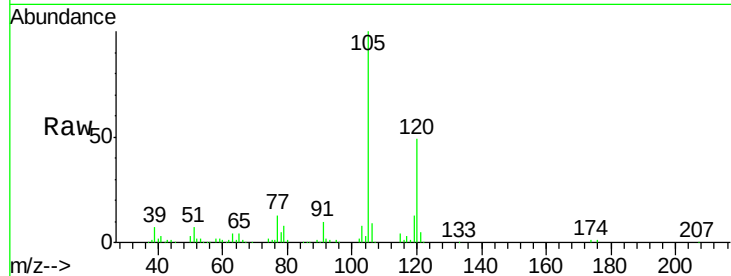




#80
 1,3,5-Trimethylbenzene
 Concen: 4.907 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN053966.D
 Acq: 26 Feb 2019 20:12

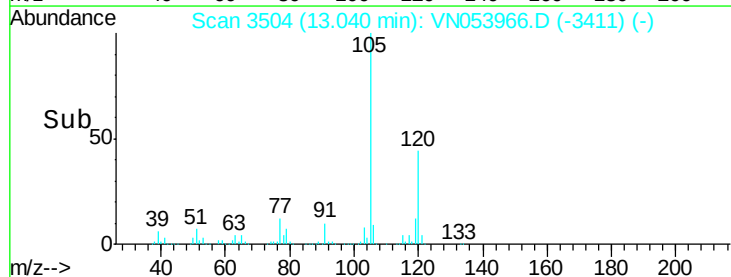
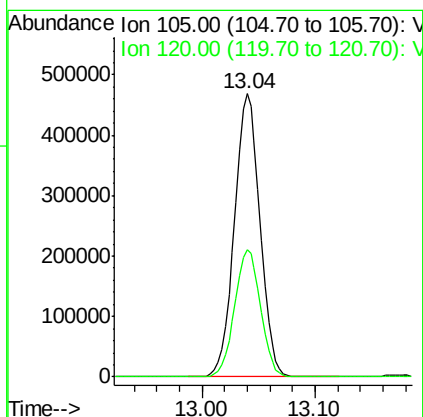
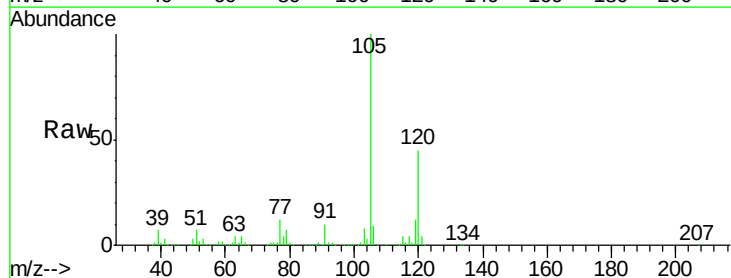
Instrument :
 MSVOA_N
 ClientSampleId :
 OK-02-022519

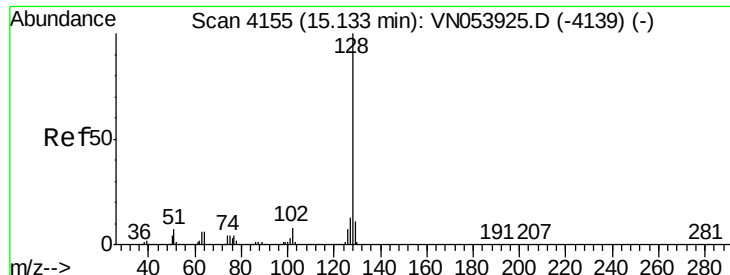
Tgt Ion:105 Resp: 133304
 Ion Ratio Lower Upper
 105 100
 120 49.1 25.1 75.2



#84
 1,2,4-Trimethylbenzene
 Concen: 27.124 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053966.D
 Acq: 26 Feb 2019 20:12

Tgt Ion:105 Resp: 735699
 Ion Ratio Lower Upper
 105 100
 120 45.5 23.2 69.5





#95

Naphthalene

Concen: 4.918 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053966.D

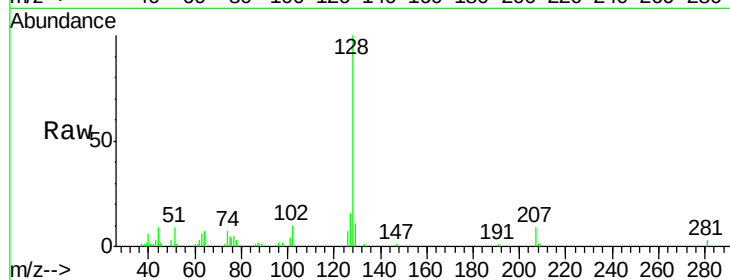
Acq: 26 Feb 2019 20:12

Instrument :

MSVOA_N

ClientSampleId :

OK-02-022519



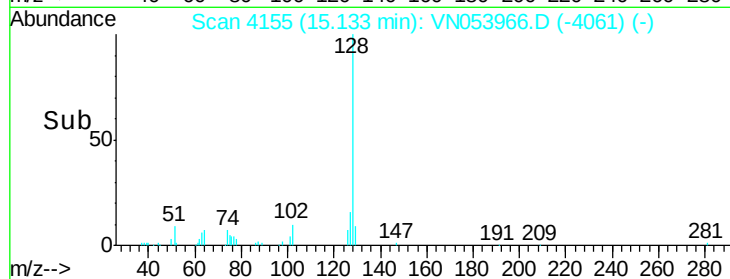
Tgt Ion:128 Resp: 30777

Ion Ratio Lower Upper

128 100

127 13.8 10.2 15.2

129 10.3 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

