

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061918\
 Data File : VN049400.D
 Acq On : 19 Jun 2018 21:38
 Operator : MD\SY
 Sample : PB110363ZHE#12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 20 04:34:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:02:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1252642	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2053752	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1672558	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	476391	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	860533	51.79	ug/l	0.00
Spiked Amount			Recovery	=	103.58%	
35) Dibromofluoromethane	7.59	113	757900	45.61	ug/l	0.00
Spiked Amount			Recovery	=	91.22%	
50) Toluene-d8	10.09	98	2765197	43.71	ug/l	0.00
Spiked Amount			Recovery	=	87.42%	
62) 4-Bromofluorobenzene	12.41	95	701535	33.54	ug/l	0.00
Spiked Amount			Recovery	=	67.08%	

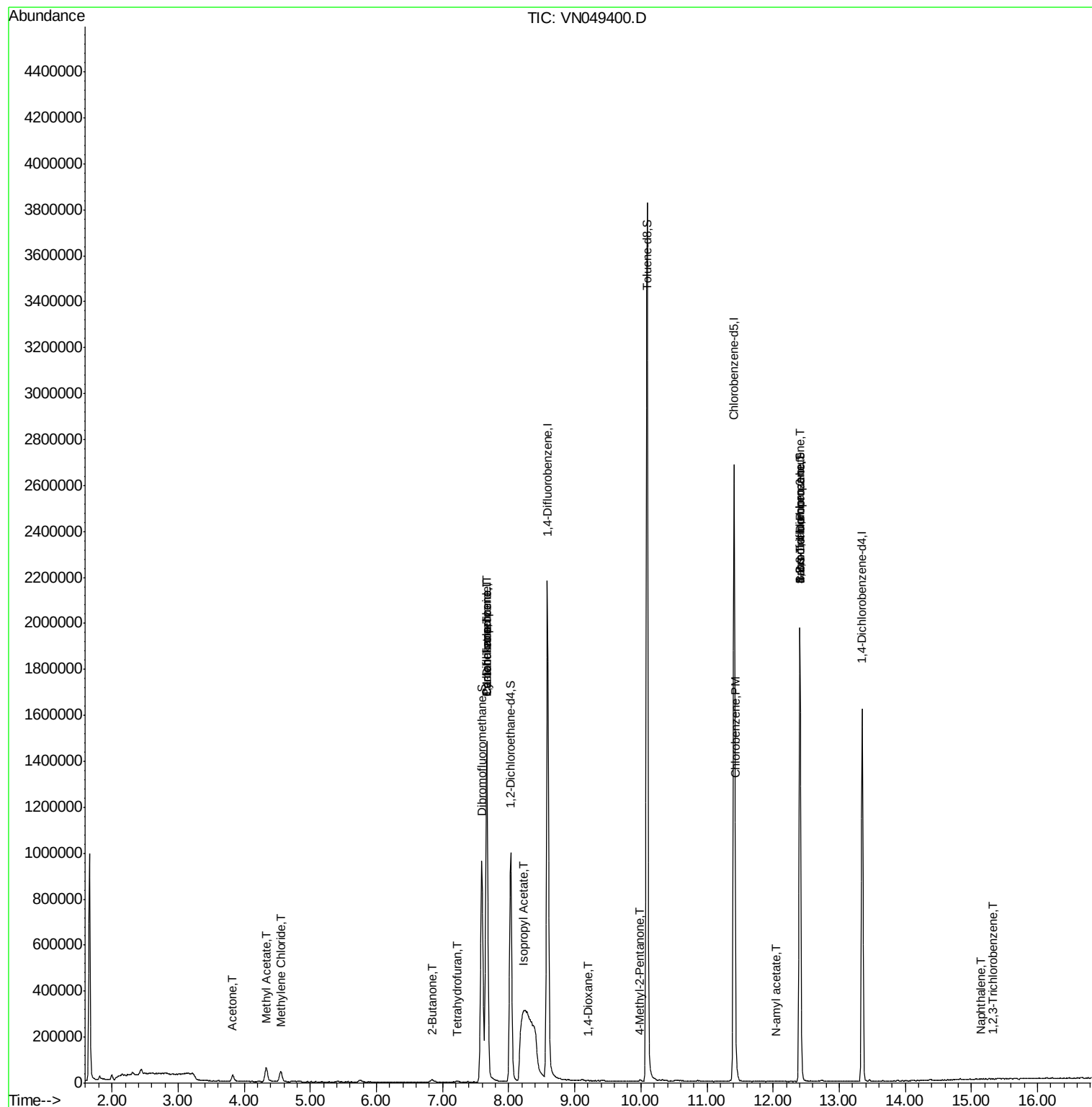
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	47396	11.75	ug/l	99
18) Methyl Acetate	4.34	43	121505	9.88	ug/l	99
20) Methylene Chloride	4.55	84	32872	1.95	ug/l	86
25) 2-Butanone	6.86	43	8929	1.65	ug/l #	85
29) Tetrahydrofuran	7.23	42	1969	0.56	ug/l	94
31) Cyclohexane	7.67	56	23717	0.79	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	89529	3.80	ug/l #	50
38) Carbon Tetrachloride	7.67	117	115318	4.73	ug/l #	17
43) Isopropyl Acetate	8.23	43	382801	15.66	ug/l #	64
49) 1,4-Dioxane	9.20	88	33	0.21	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	5052	0.39	ug/l	98
65) Chlorobenzene	11.44	112	21835	0.51	ug/l	90
71) Bromoform	12.40	173	5439	0.52	ug/l #	1
74) N-amyl acetate	12.05	43	2078	0.20	ug/l #	58
75) 1,1,2,2-Tetrachloroethane	12.52	83	143	Below	Cal #	26
76) 1,2,3-Trichloropropane	12.41	75	337128	41.48	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.41	75	337128	131.08	ug/l #	9
90) Hexachloroethane	13.89	117	29	Below	Cal #	9
95) Naphthalene	15.13	128	356	2.11	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.32	180	229	3.48	ug/l #	33

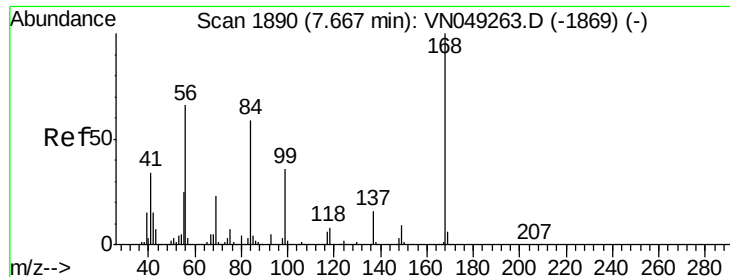
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Jun 16 01:02:01 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN049400.D

Acq: 19 Jun 2018 21:38

Instrument :

MSVOA_N

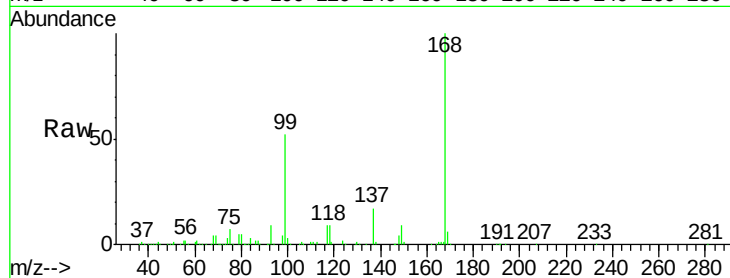
ClientSampled :

Tot Ion:168 Resp: 1252642

Ion Ratio Lower Upper

168 100

99 52.0 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): VN049400.D (-1797) (-)

Ion 98.90 (98.60 to 99.60): VN049400.D (-1797) (-)

7.67

600000

500000

400000

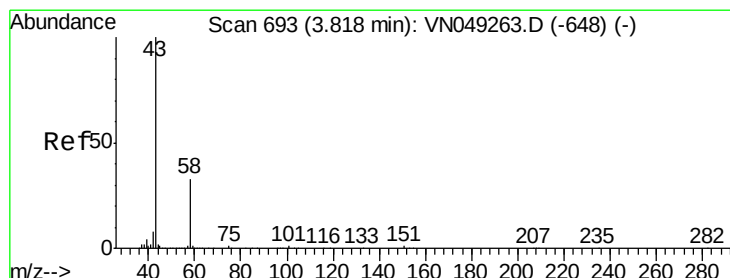
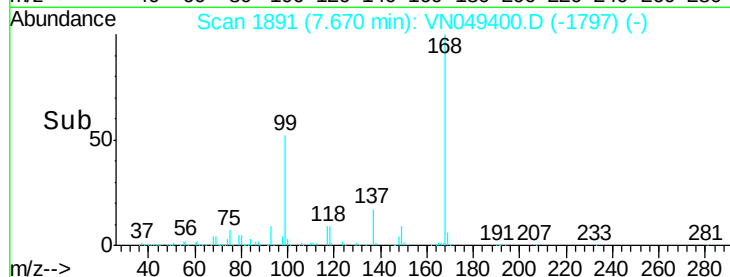
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 11.75 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN049400.D

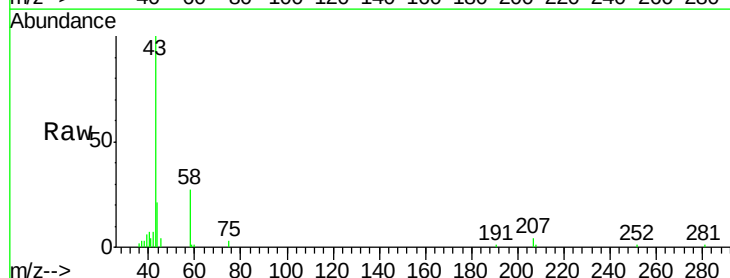
Acq: 19 Jun 2018 21:38

Tgt Ion: 43 Resp: 47396

Ion Ratio Lower Upper

43 100

58 27.4 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VN049400.D (-600) (-)

Ion 58.00 (57.70 to 58.70): VN049400.D (-600) (-)

3.82

20000

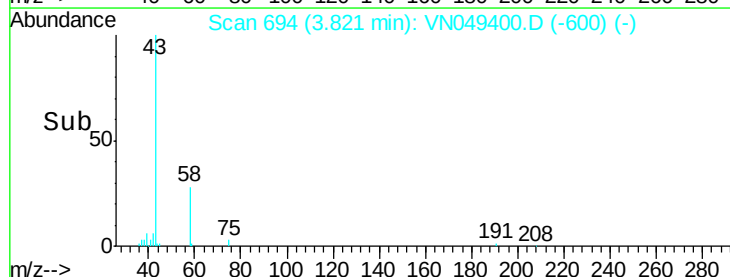
15000

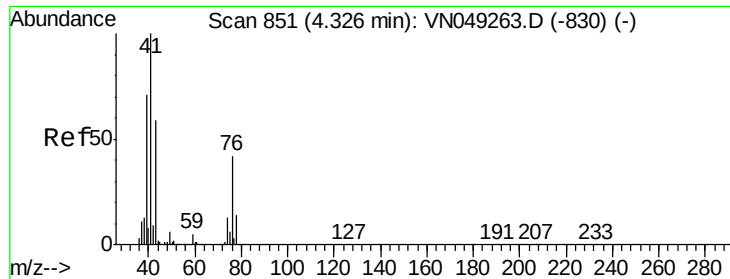
10000

5000

0

Time-->

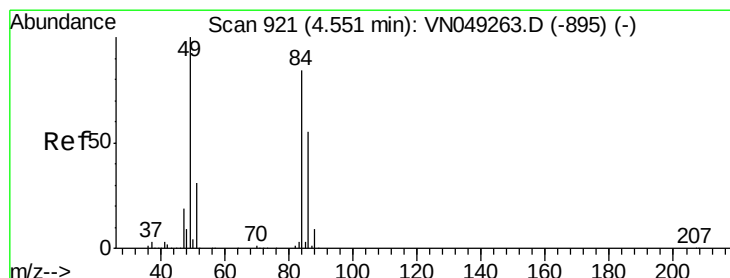
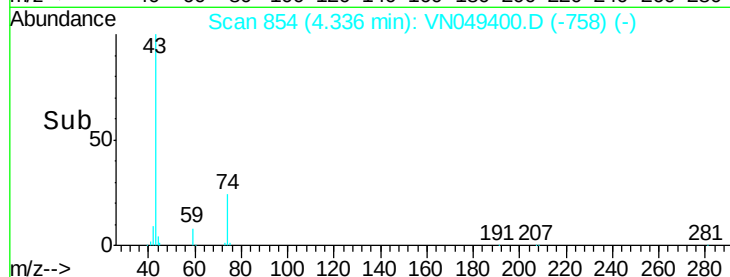
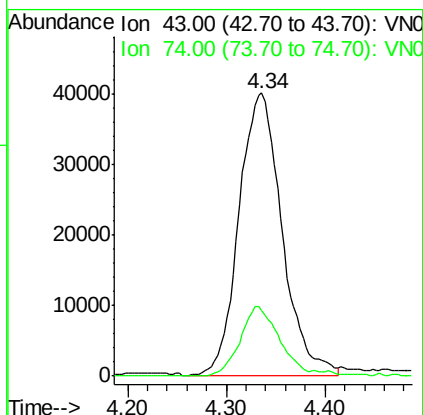
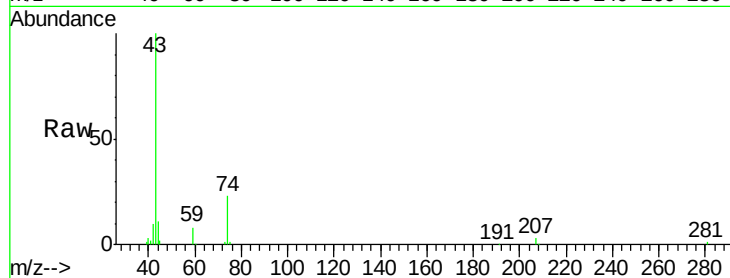




#18
Methvl Acetate
Concen: 9.88 ug/l
RT: 4.34 min Scan# 854
Delta R.T. 0.01 min
Lab File: VN049400.D
Acq: 19 Jun 2018 21:38

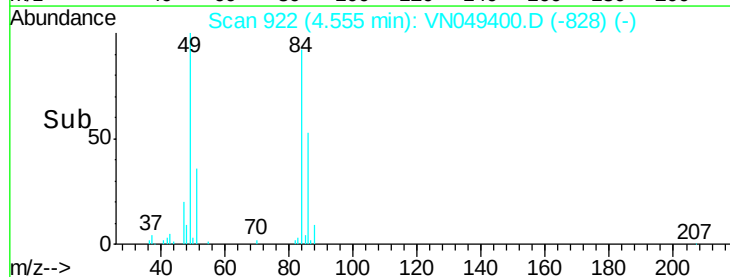
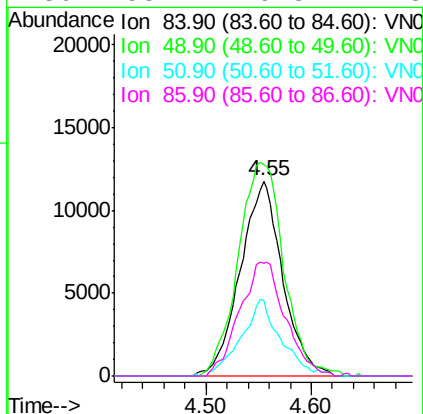
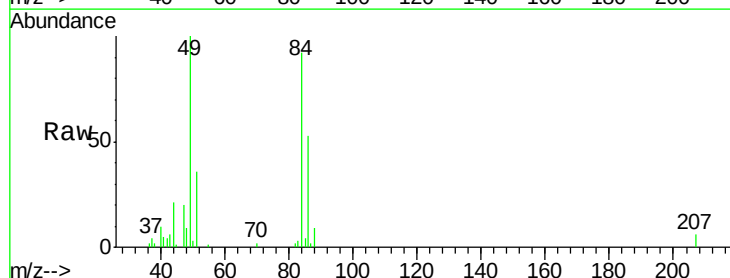
Instrument :
MSVOA_N
ClientSampleId :

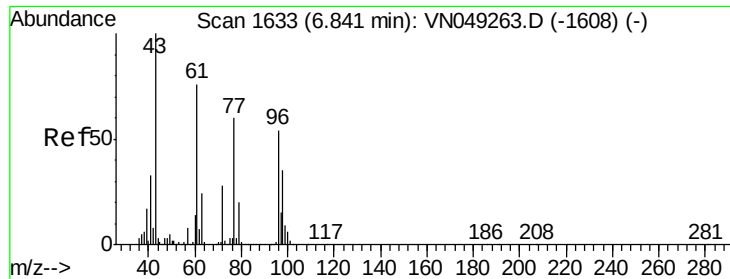
Tot Ion: 43 Resp: 121505
Ion Ratio Lower Upper
43 100
74 22.2 17.4 26.0



#20
Methylene Chloride
Concen: 1.95 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN049400.D
Acq: 19 Jun 2018 21:38

Tgt Ion: 84 Resp: 32872
Ion Ratio Lower Upper
84 100
49 108.8 106.9 160.3
51 38.8 32.7 49.1
86 58.1 49.8 74.8

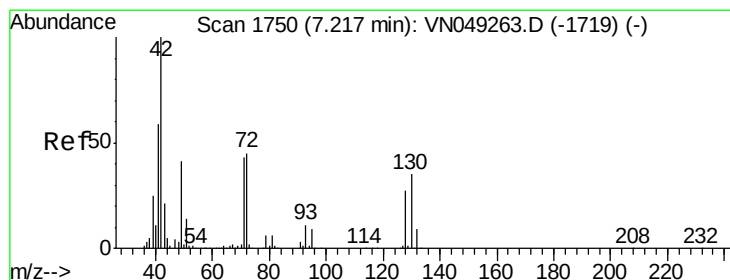
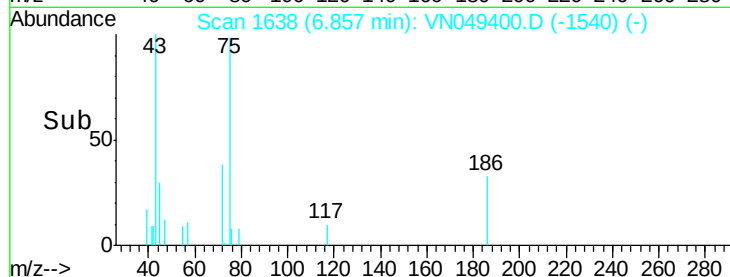
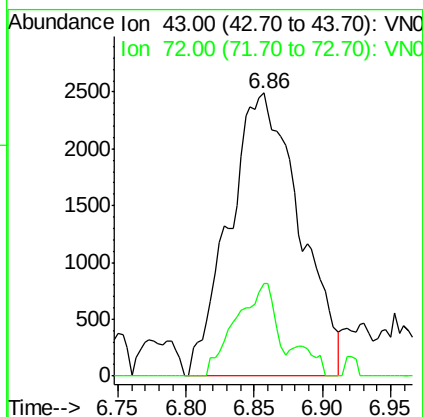
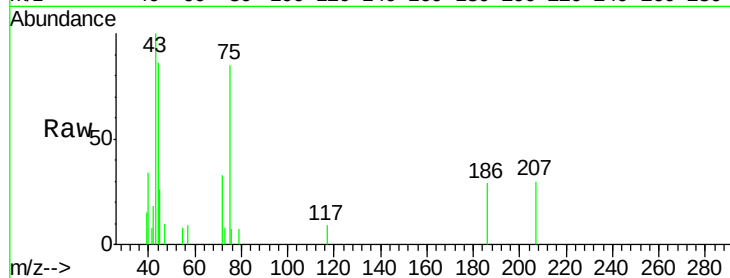




#25
2-Butanone
Concen: 1.65 ug/l
RT: 6.86 min Scan# 1638
Delta R.T. 0.02 min
Lab File: VN049400.D
Acq: 19 Jun 2018 21:38

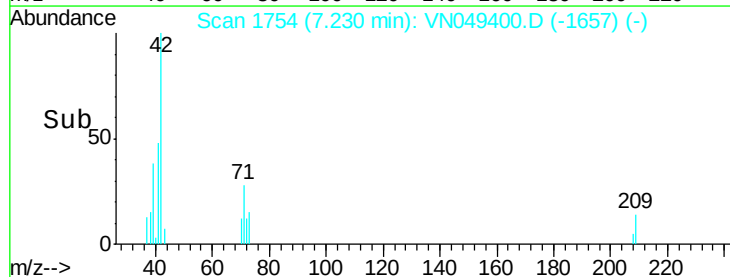
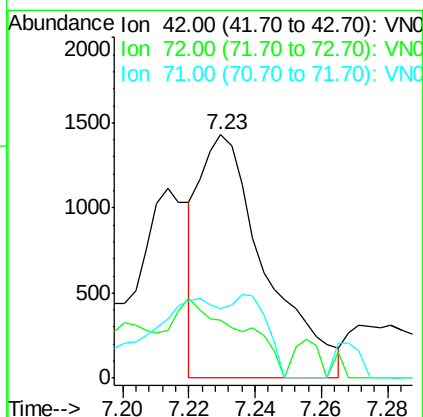
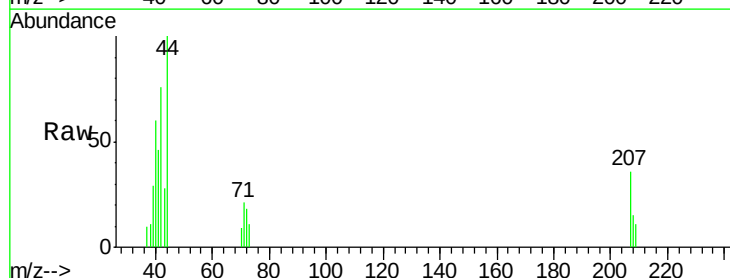
Instrument :
MSVOA_N
ClientSampled :

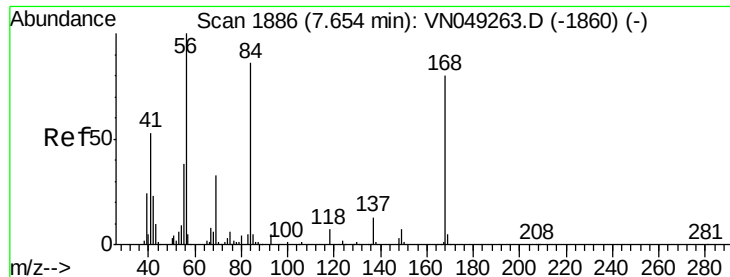
Tot Ion: 43 Resp: 8929
Ion Ratio Lower Upper
43 100
72 32.8 20.2 30.2#



#29
Tetrahydrofuran
Concen: 0.56 ug/l
RT: 7.23 min Scan# 1754
Delta R.T. 0.01 min
Lab File: VN049400.D
Acq: 19 Jun 2018 21:38

Tgt Ion: 42 Resp: 1969
Ion Ratio Lower Upper
42 100
72 34.4 32.2 48.4
71 36.1 30.5 45.7

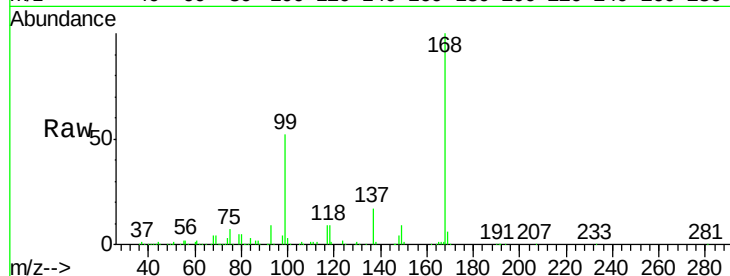




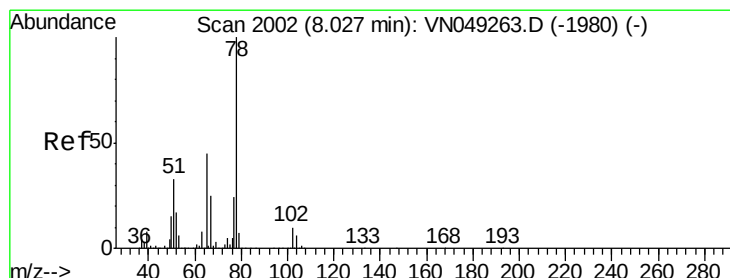
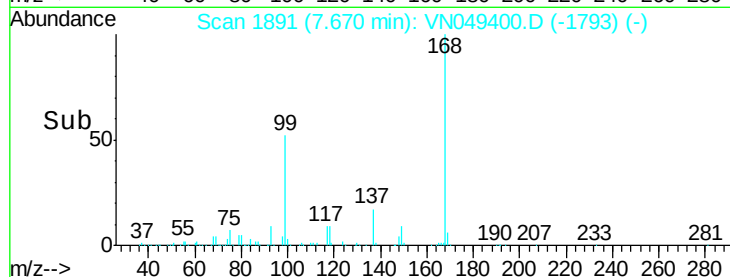
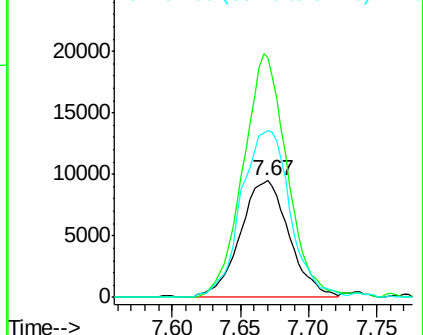
#31
Cyclohexane
Concen: 0.79 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. 0.02 min
Lab File: VN049400.D
Acq: 19 Jun 2018 21:38

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 23717
Ion Ratio Lower Upper
56 100
69 206.4 25.0 37.4#
84 143.9 64.6 96.8#

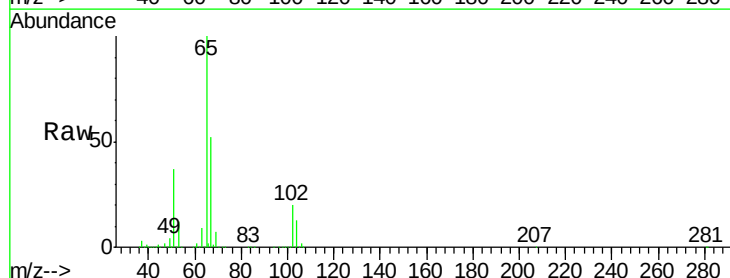


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

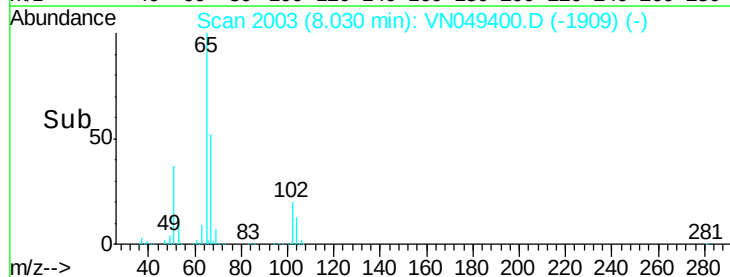
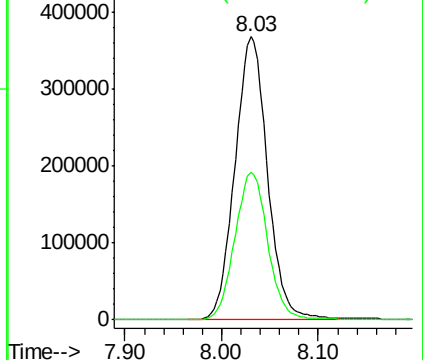


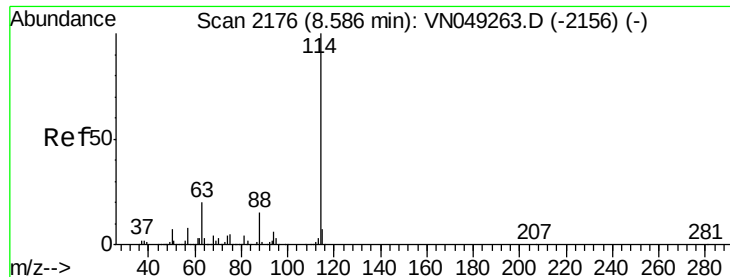
#33
1,2-Dichloroethane-d4
Concen: 51.79 ug/l
RT: 8.03 min Scan# 2003
Delta R.T. 0.00 min
Lab File: VN049400.D
Acq: 19 Jun 2018 21:38

Tgt Ion: 65 Resp: 860533
Ion Ratio Lower Upper
65 100
67 53.0 0.0 103.8



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

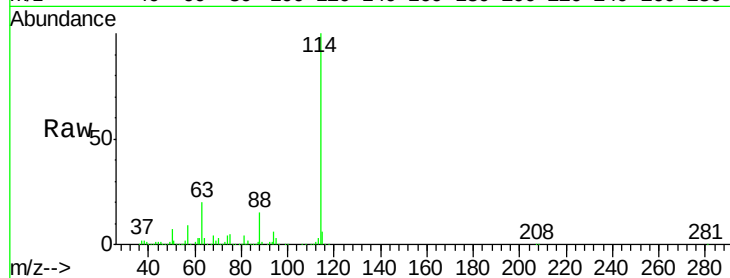




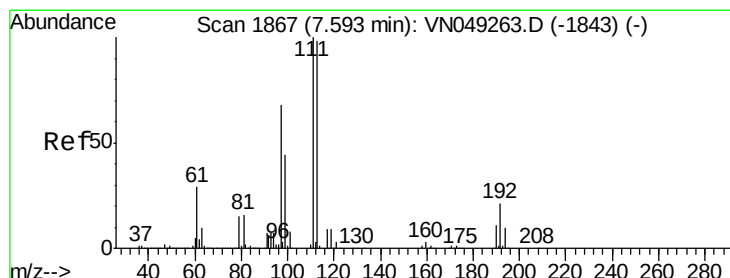
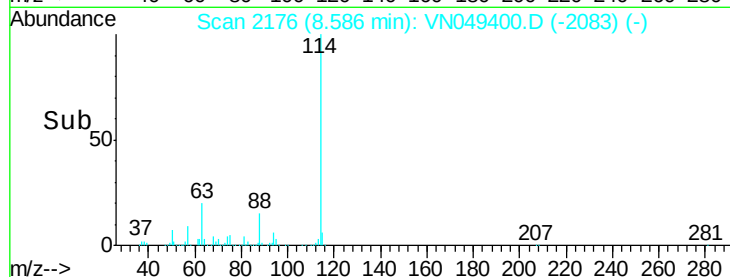
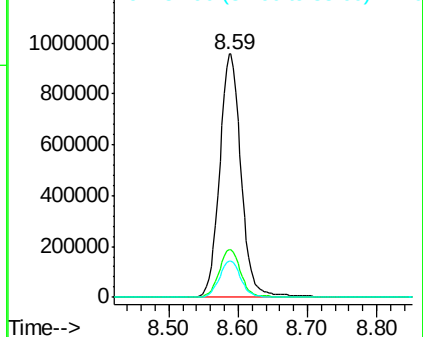
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049400.D
 Acq: 19 Jun 2018 21:38

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 2053752
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 44.4
 88 15.1 0.0 31.4

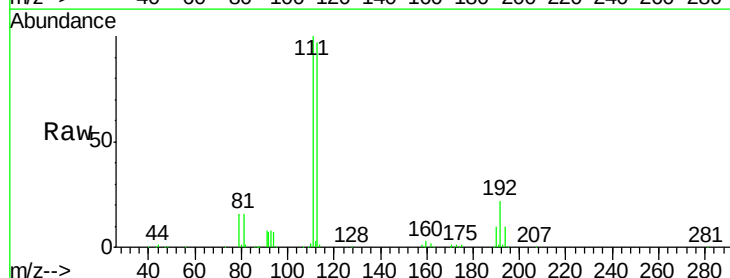


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

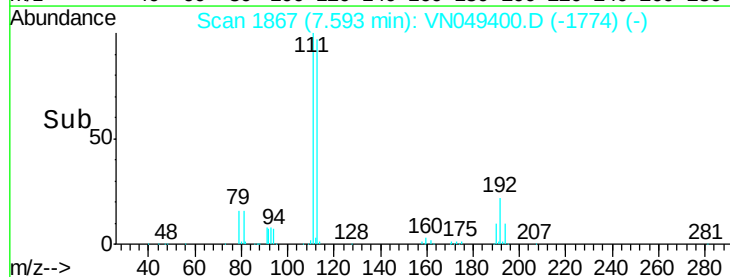
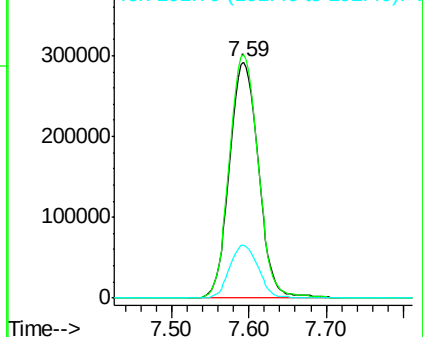


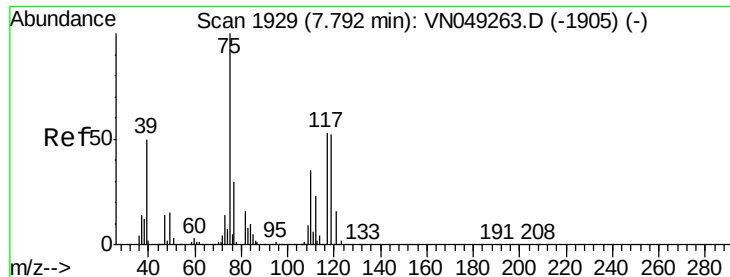
#35
 Dibromofluoromethane
 Concen: 45.61 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049400.D
 Acq: 19 Jun 2018 21:38

Tgt Ion:113 Resp: 757900
 Ion Ratio Lower Upper
 113 100
 111 102.7 82.4 123.6
 192 22.2 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: 3.80 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.13 min

Lab File: VN049400.D

Acq: 19 Jun 2018 21:38

Instrument :

MSVOA_N

ClientSampled :

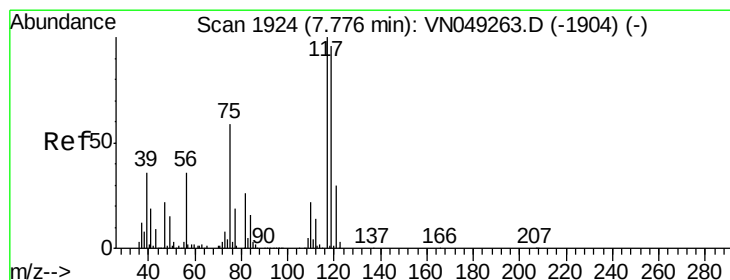
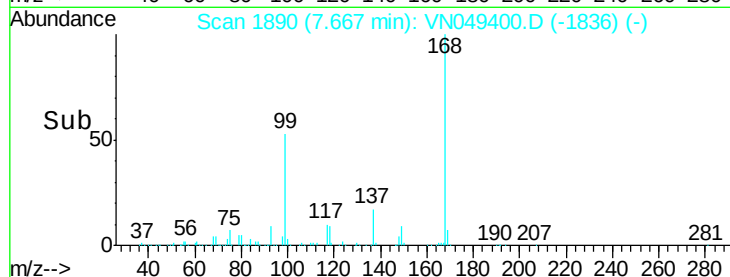
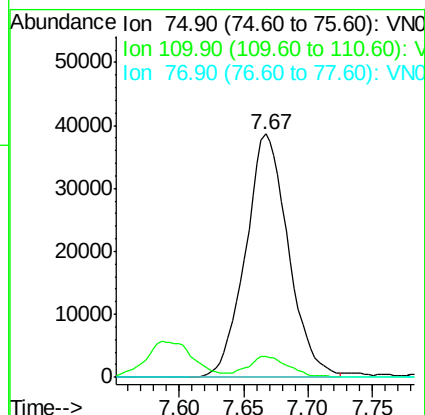
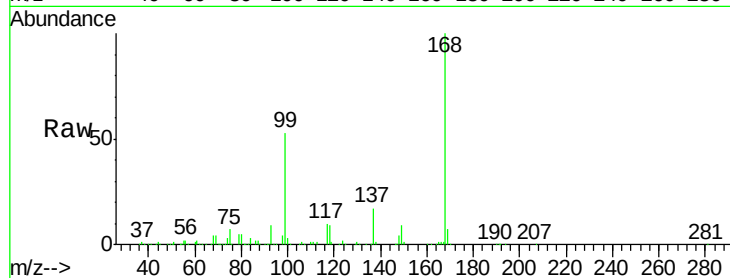
Tot Ion: 75 Resp: 89529

Ion Ratio Lower Upper

75 100

110 8.3 17.0 50.9#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 4.73 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.11 min

Lab File: VN049400.D

Acq: 19 Jun 2018 21:38

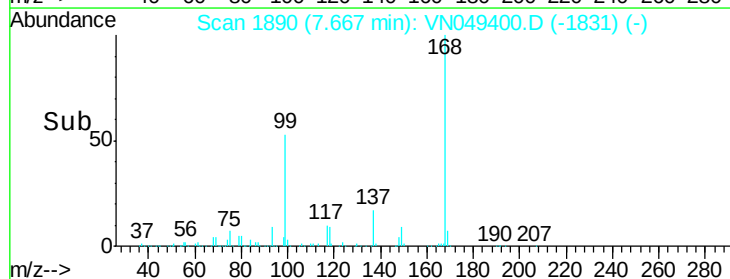
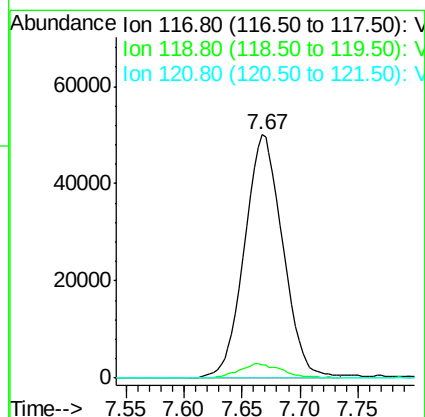
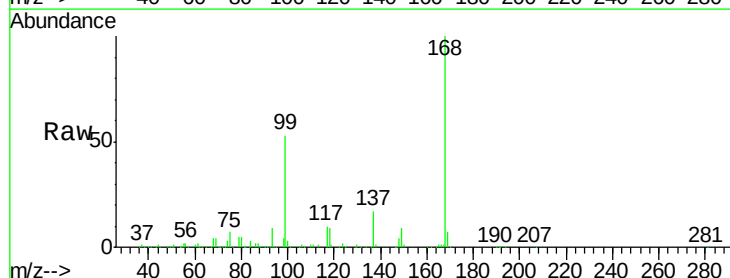
Tgt Ion: 117 Resp: 115318

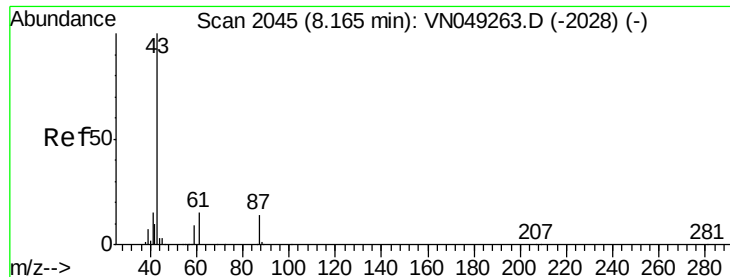
Ion Ratio Lower Upper

117 100

119 5.7 75.6 113.4#

121 0.0 24.7 37.1#





#43

Isopropyl Acetate

Concen: 15.66 ug/l

RT: 8.23 min Scan# 2064

Delta R.T. 0.06 min

Lab File: VN049400.D

Acq: 19 Jun 2018 21:38

Instrument :

MSVOA_N

ClientSampled :

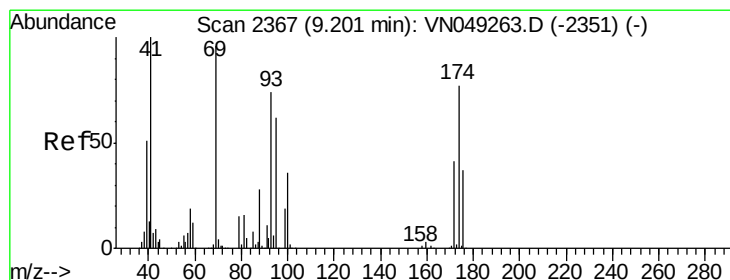
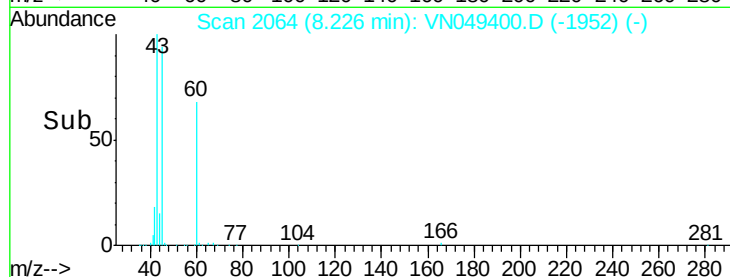
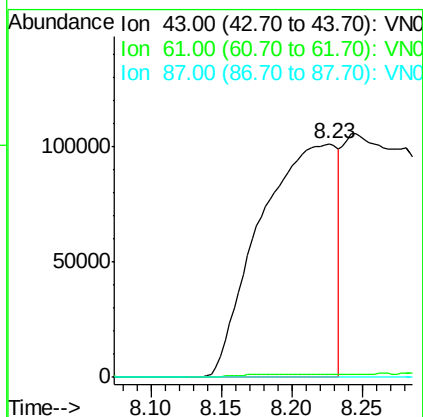
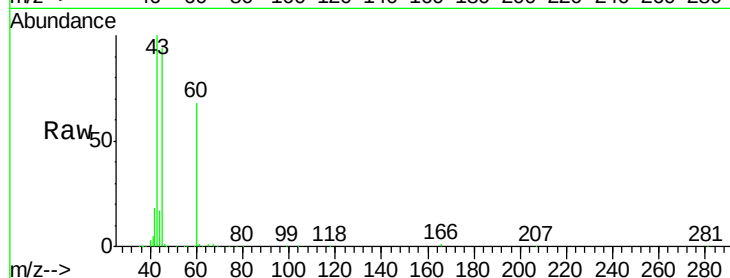
Tot Ion: 43 Resp: 382801

Ion Ratio Lower Upper

43 100

61 0.0 14.2 21.4#

87 0.0 9.4 14.0#



#49

1,4-Dioxane

Concen: 0.21 ug/l

RT: 9.20 min Scan# 2366

Delta R.T. -0.00 min

Lab File: VN049400.D

Acq: 19 Jun 2018 21:38

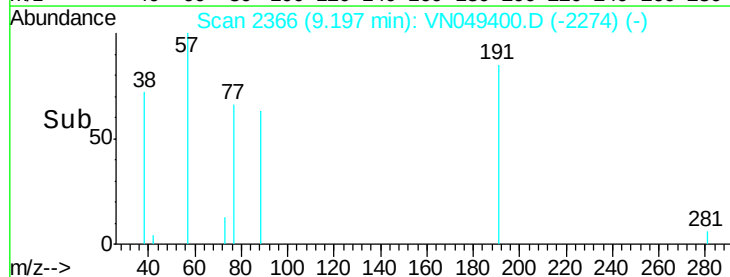
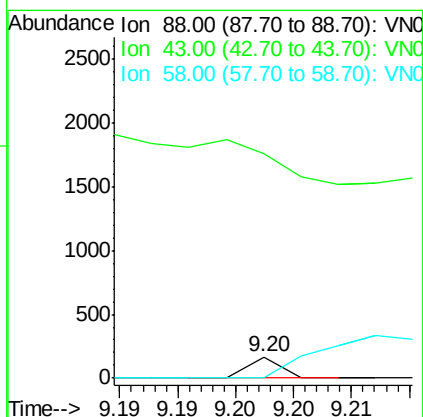
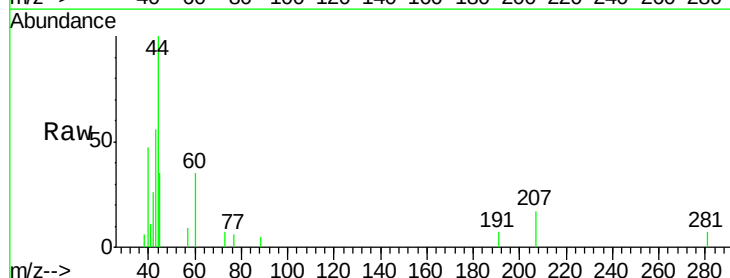
Tgt Ion: 88 Resp: 33

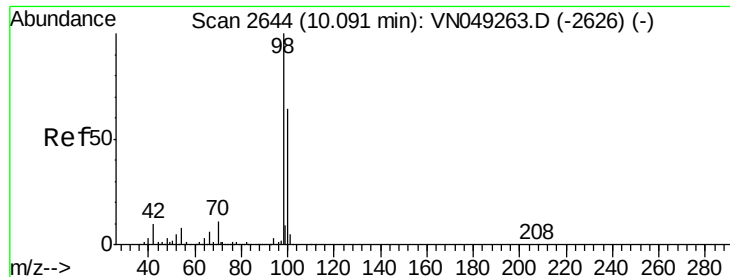
Ion Ratio Lower Upper

88 100

43 0.0 30.9 46.3#

58 857.6 58.9 88.3#





#50

Toluene-d8

Concen: 43.71 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN049400.D

Acq: 19 Jun 2018 21:38

Instrument :

MSVOA_N

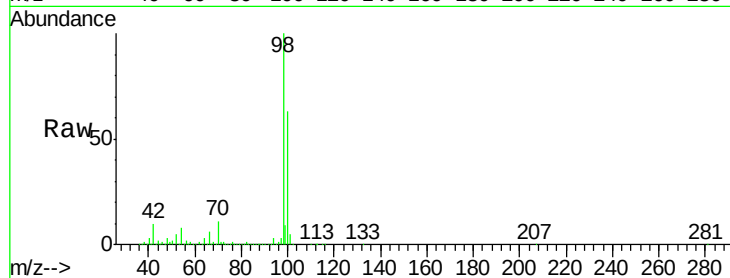
ClientSampled :

Tot Ion: 98 Resp: 2765197

Ion Ratio Lower Upper

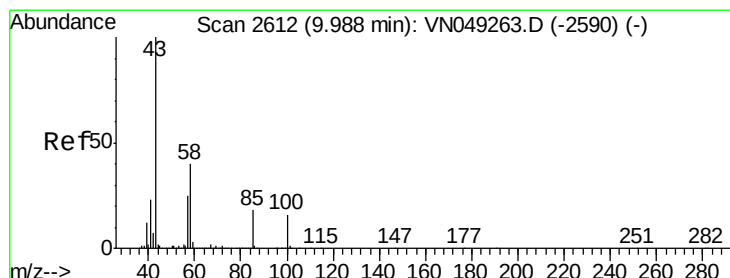
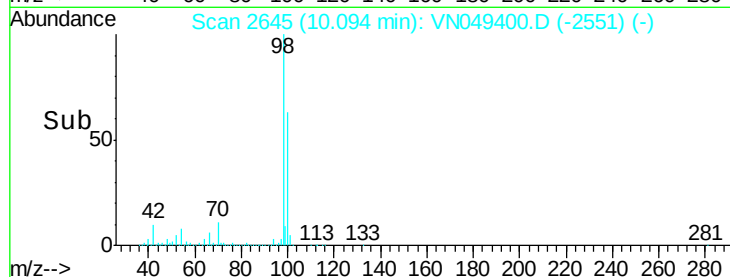
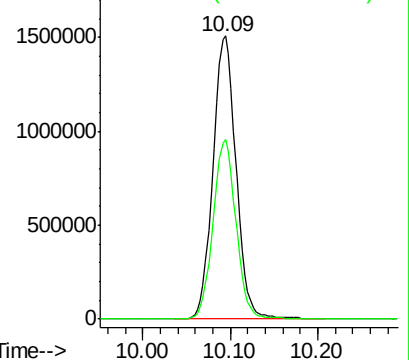
98 100

100 63.0 49.8 74.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#51

4-Methyl-2-Pentanone

Concen: 0.39 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN049400.D

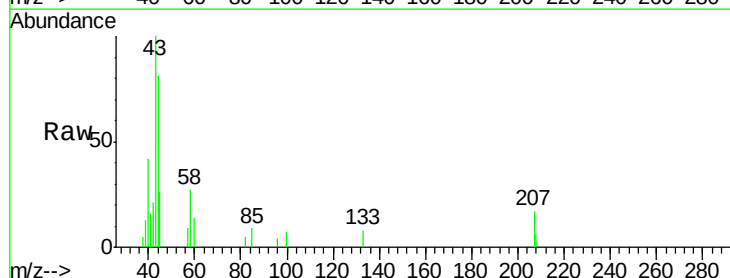
Acq: 19 Jun 2018 21:38

Tgt Ion: 43 Resp: 5052

Ion Ratio Lower Upper

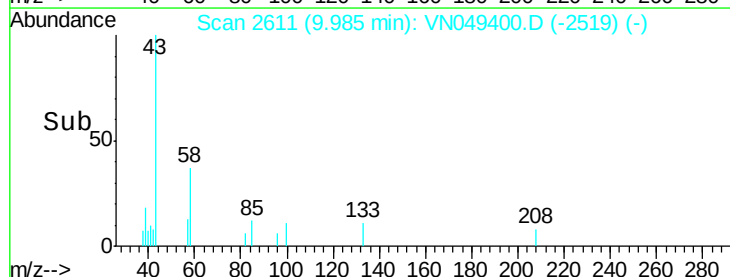
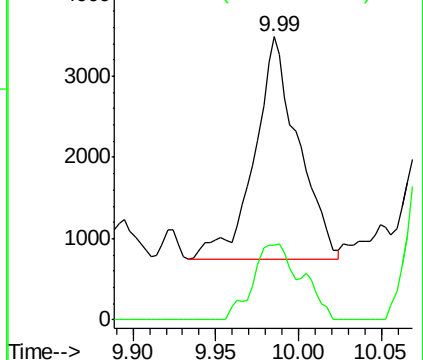
43 100

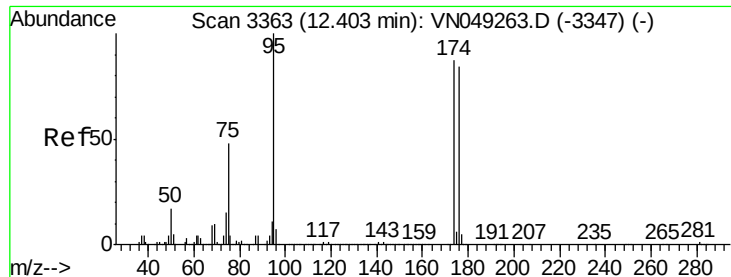
58 37.6 29.0 43.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

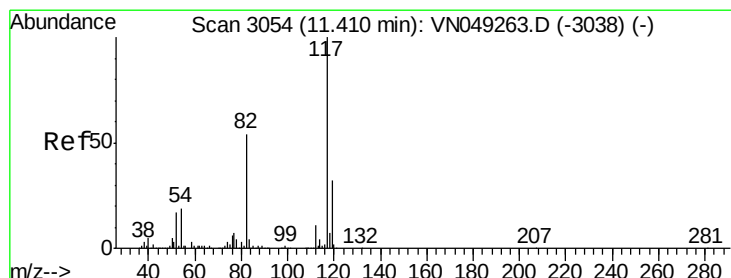
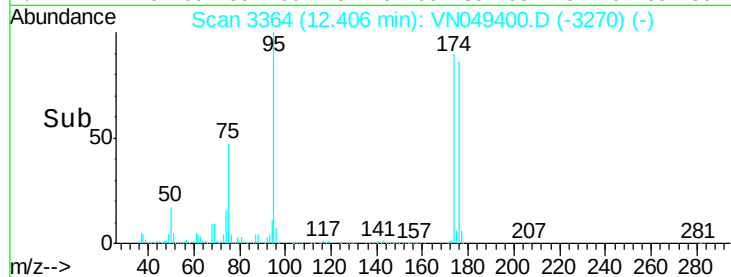
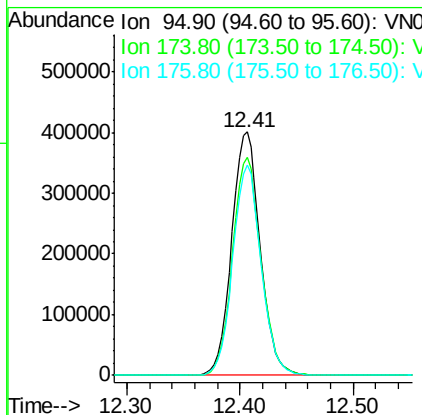
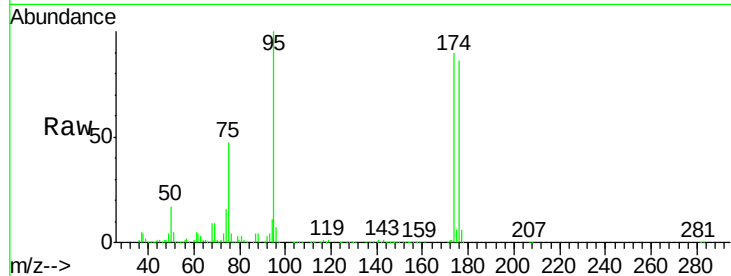




#62
4-Bromofluorobenzene
Concen: 33.54 ug/l
RT: 12.41 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN049400.D
Acq: 19 Jun 2018 21:38

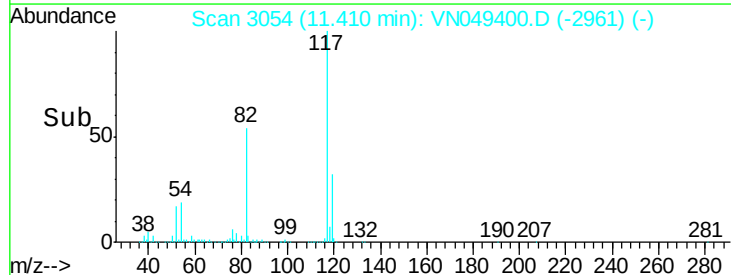
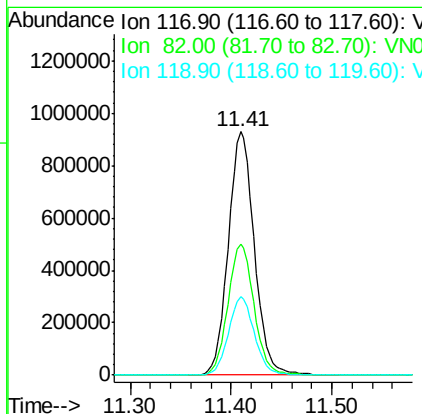
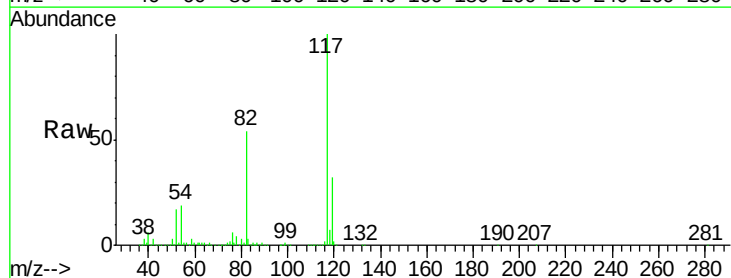
Instrument :
MSVOA_N
ClientSampleId :

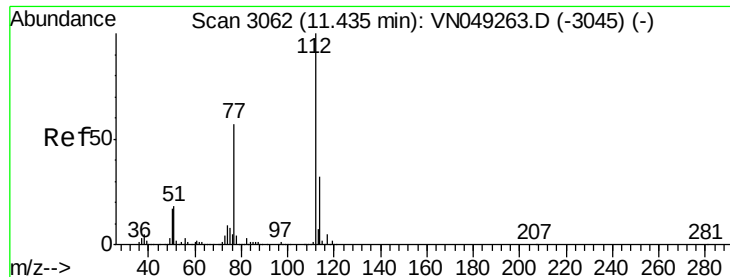
Tot Ion: 95 Resp: 701535
Ion Ratio Lower Upper
95 100
174 89.8 0.0 165.6
176 85.8 0.0 157.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049400.D
Acq: 19 Jun 2018 21:38

Tgt Ion: 117 Resp: 1672558
Ion Ratio Lower Upper
117 100
82 54.0 45.9 68.9
119 32.1 25.5 38.3





#65

Chlorobenzene

Concen: 0.51 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN049400.D

Acq: 19 Jun 2018 21:38

Instrument :

MSVOA_N

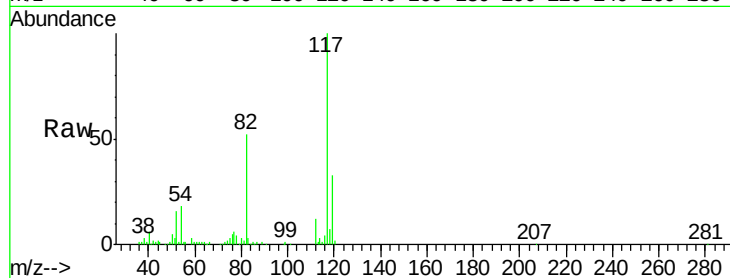
ClientSampled :

Tot Ion:112 Resp: 21835

Ion Ratio Lower Upper

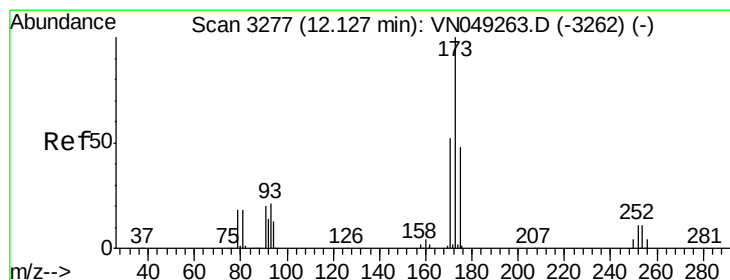
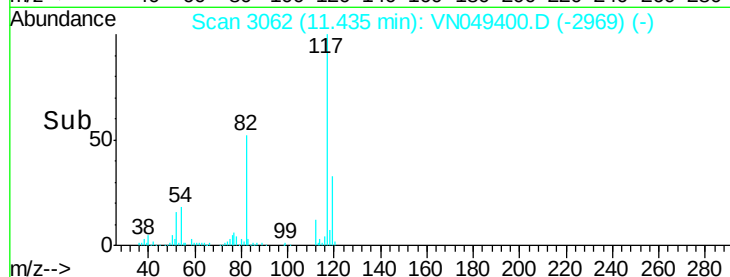
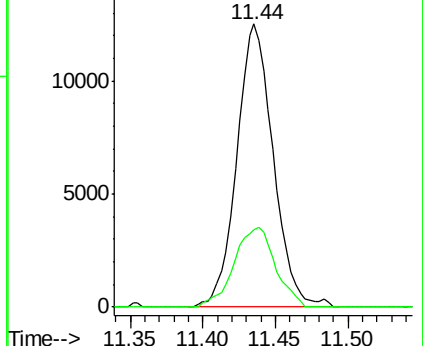
112 100

114 27.3 26.2 39.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#71

Bromoform

Concen: 0.52 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.28 min

Lab File: VN049400.D

Acq: 19 Jun 2018 21:38

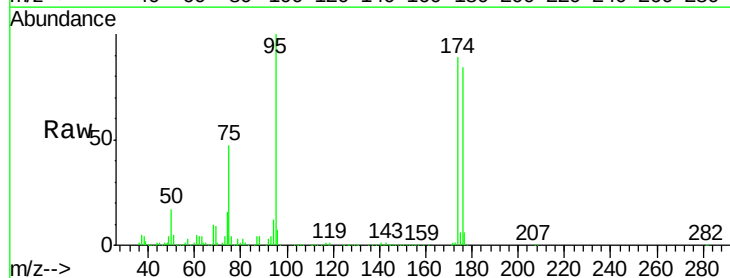
Tgt Ion:173 Resp: 5439

Ion Ratio Lower Upper

173 100

175 625.9 24.5 73.5#

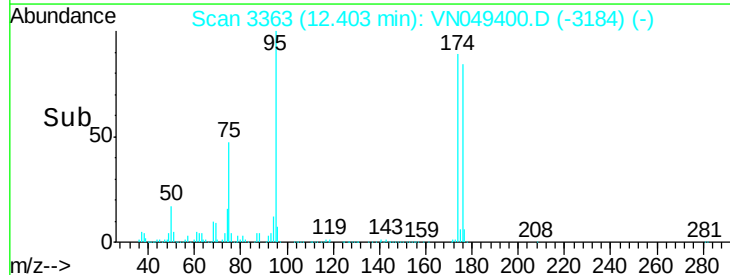
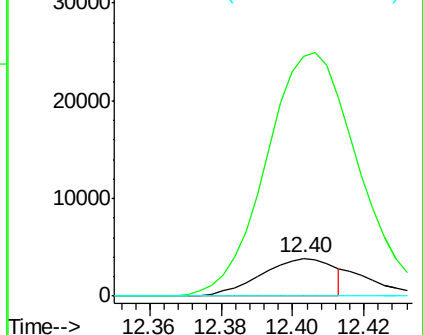
254 0.0 0.1 0.1#

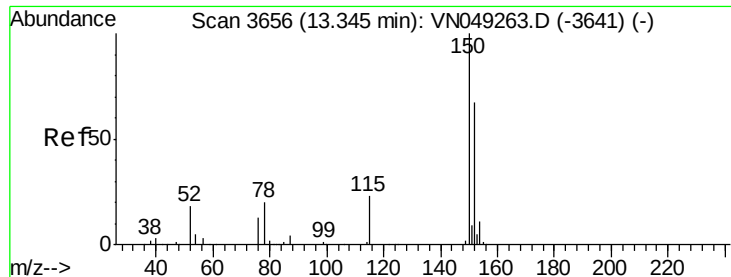


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3657

Delta R.T. 0.00 min

Lab File: VN049400.D

Acq: 19 Jun 2018 21:38

Instrument :

MSVOA_N

ClientSampled :

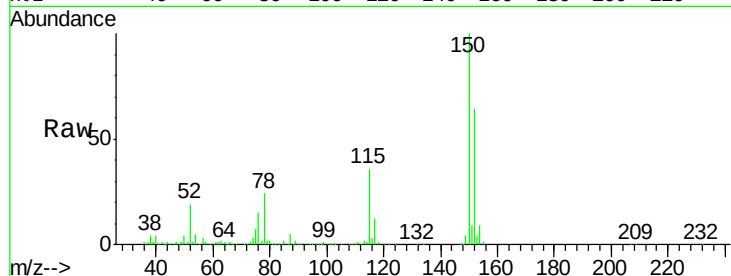
Tot Ion:152 Resp: 476391

Ion Ratio Lower Upper

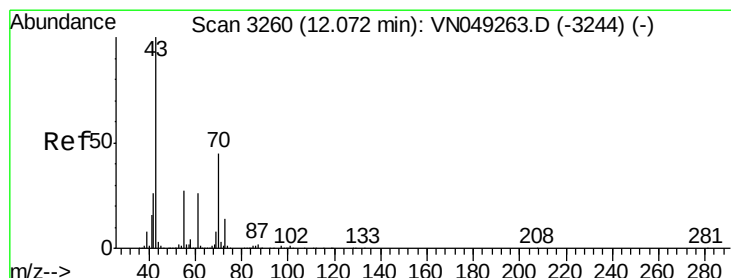
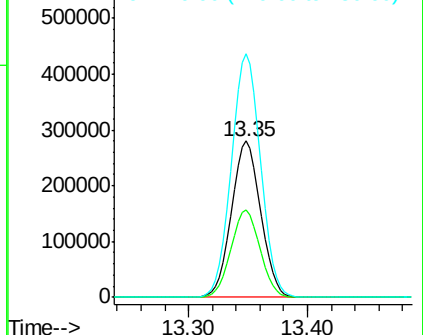
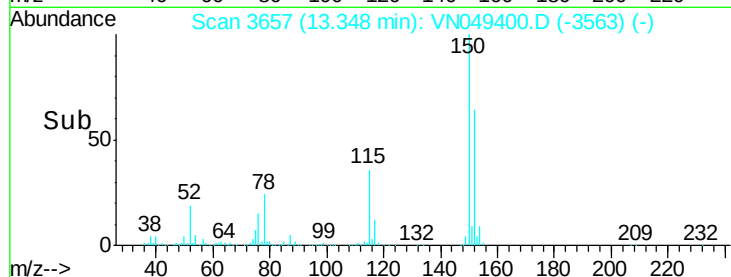
152 100

115 55.6 28.7 86.1

150 155.5 0.0 351.0



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



#74

N-ethyl acetate

Concen: 0.20 ug/l

RT: 12.05 min Scan# 3252

Delta R.T. -0.03 min

Lab File: VN049400.D

Acq: 19 Jun 2018 21:38

Tgt Ion: 43 Resp: 2078

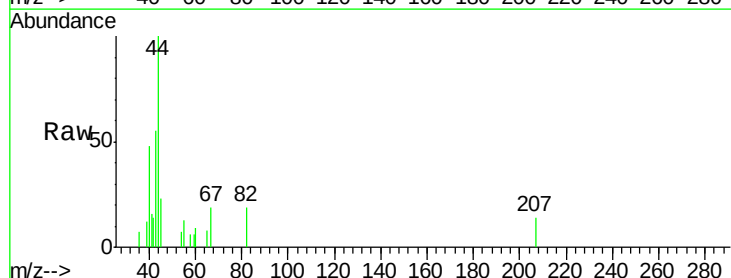
Ion Ratio Lower Upper

43 100

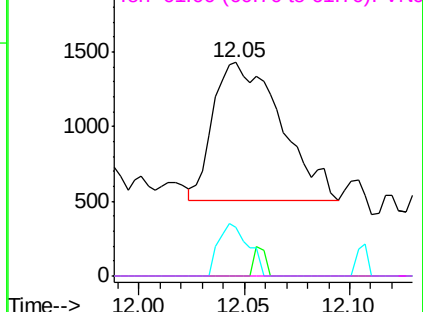
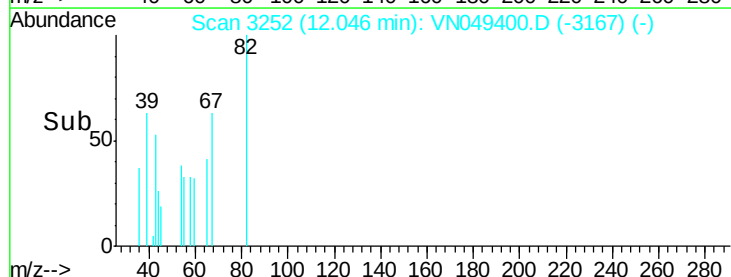
70 3.4 30.3 45.5#

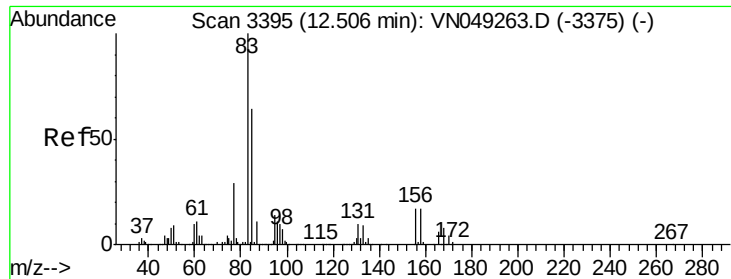
55 16.4 19.4 29.2#

61 0.0 17.8 26.6#



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 70.00 (69.70 to 70.70): V
Ion 55.00 (54.70 to 55.70): V
Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.52 min Scan# 3398

Delta R.T. 0.01 min

Lab File: VN049400.D

Acq: 19 Jun 2018 21:38

Instrument :

MSVOA_N

ClientSampled :

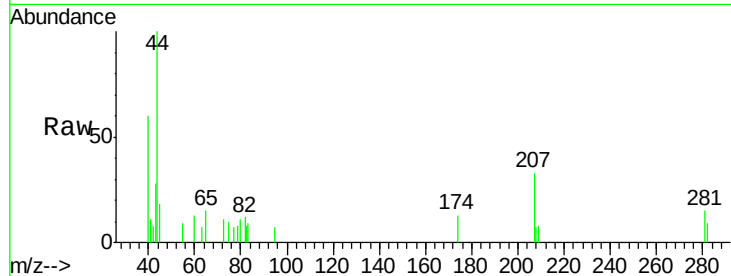
Tot Ion: 83 Resp: 143

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

85 0.0 32.0 96.0#

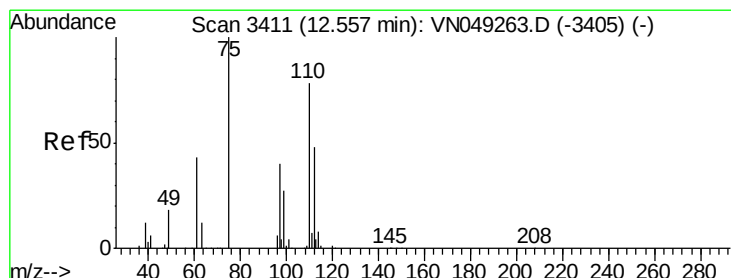
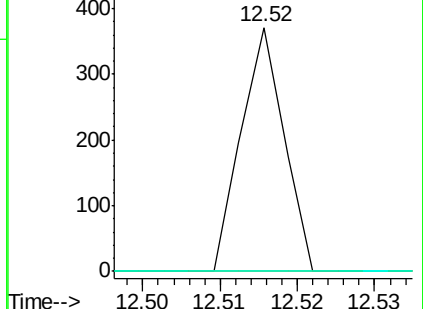
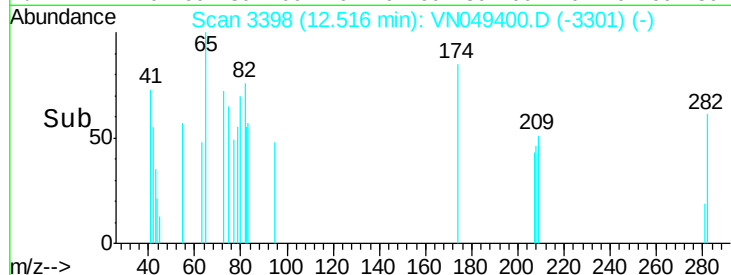


Abundance Ion 82.90 (82.60 to 83.60): VN049400.D (-3301) (-)

Ion 130.80 (130.50 to 131.50): VN049400.D (-3301) (-)

Ion 84.90 (84.60 to 85.60): VN049400.D (-3301) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 41.48 ug/l

RT: 12.41 min Scan# 3364

Delta R.T. -0.15 min

Lab File: VN049400.D

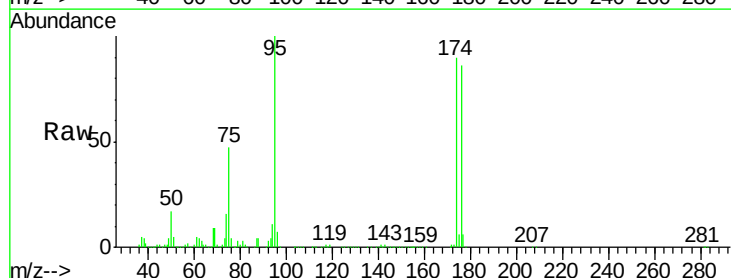
Acq: 19 Jun 2018 21:38

Tgt Ion: 75 Resp: 337128

Ion Ratio Lower Upper

75 100

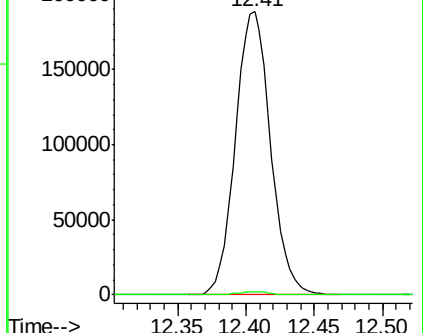
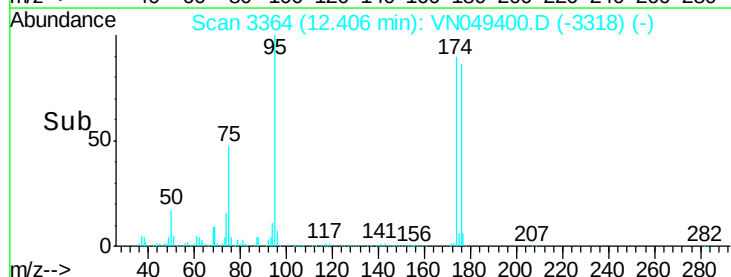
77 1.2 0.0 0.0#

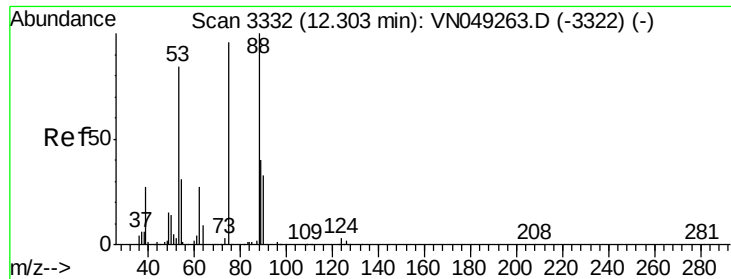


Abundance Ion 74.90 (74.60 to 75.60): VN049400.D (-3318) (-)

Ion 77.00 (76.70 to 77.70): VN049400.D (-3318) (-)

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 131.08 ug/l

RT: 12.41 min Scan# 3364

Delta R.T. 0.10 min

Lab File: VN049400.D

Acq: 19 Jun 2018 21:38

Instrument :

MSVOA_N

ClientSampled :

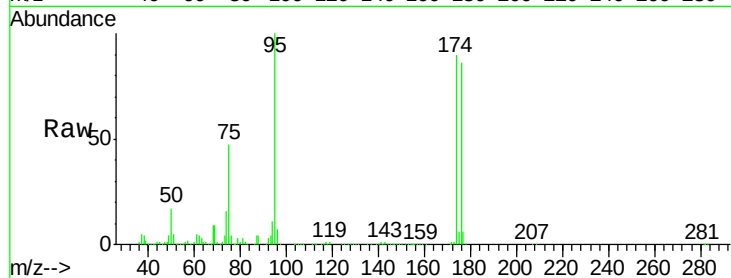
Tot Ion: 75 Resp: 337128

Ion Ratio Lower Upper

75 100

53 0.3 82.7 124.1#

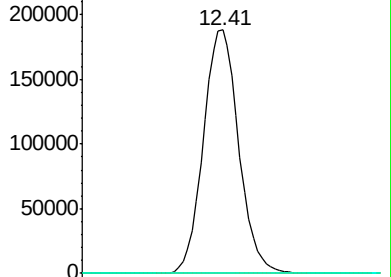
89 0.0 36.5 54.7#



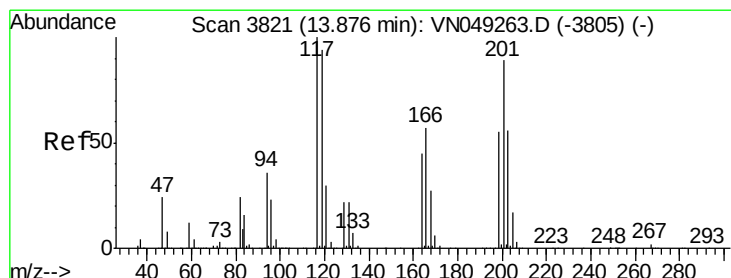
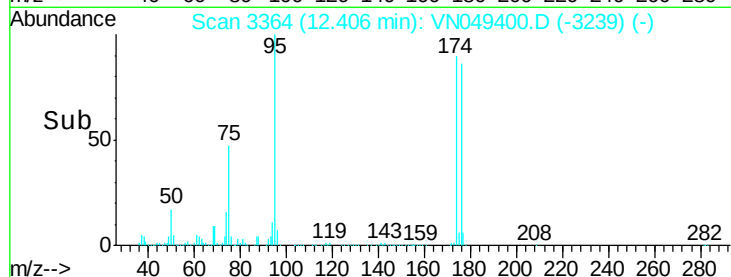
Abundance Ion 74.90 (74.60 to 75.60): VN049400.D (-3364) (-)

Ion 53.00 (52.70 to 53.70): VN049400.D (-3364) (-)

Ion 88.90 (88.60 to 89.60): VN049400.D (-3364) (-)



Time-->



#90

Hexachloroethane

Concen: Below Cal

RT: 13.89 min Scan# 3824

Delta R.T. 0.01 min

Lab File: VN049400.D

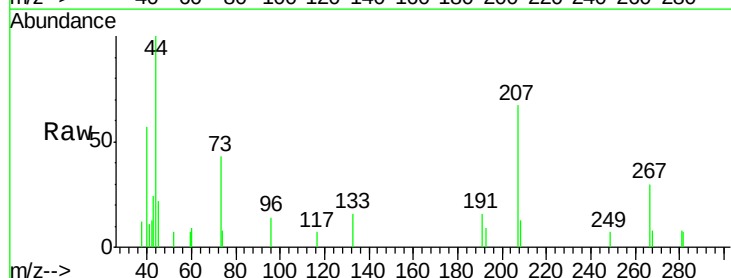
Acq: 19 Jun 2018 21:38

Tgt Ion: 117 Resp: 29

Ion Ratio Lower Upper

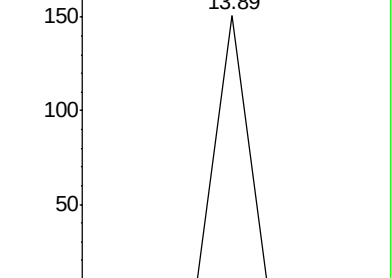
117 100

201 0.0 40.1 120.2#

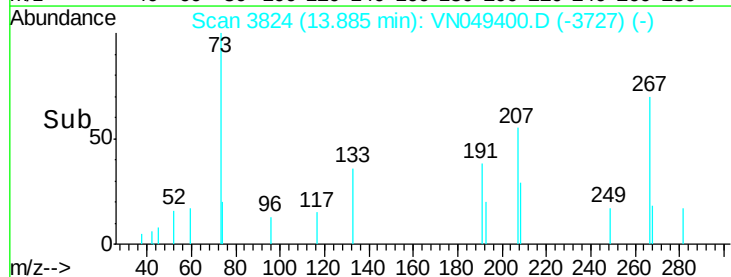


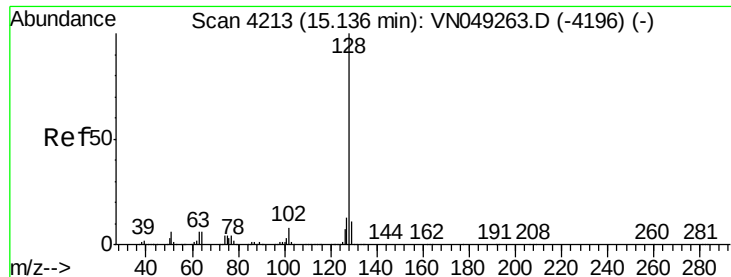
Abundance Ion 116.80 (116.50 to 117.50): VN049400.D (-3821) (-)

Ion 200.70 (200.40 to 201.40): VN049400.D (-3821) (-)



Time-->





#95

Naphthalene

Concen: 2.11 ug/l

RT: 15.13 min Scan# 4211

Delta R.T. -0.01 min

Lab File: VN049400.D

Acq: 19 Jun 2018 21:38

Instrument :

MSVOA_N

ClientSampleId :

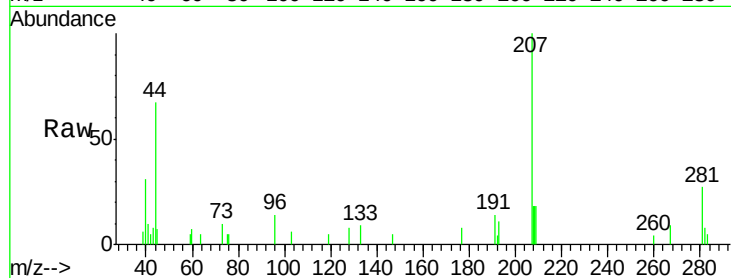
Tot Ion:128 Resp: 356

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

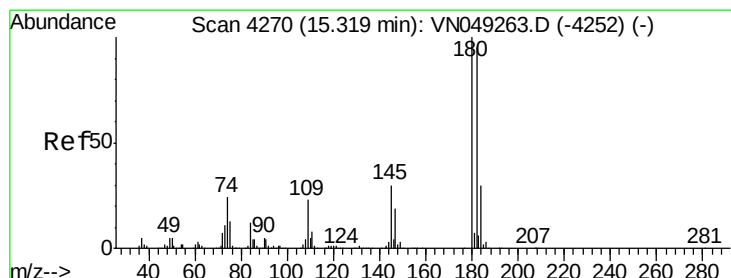
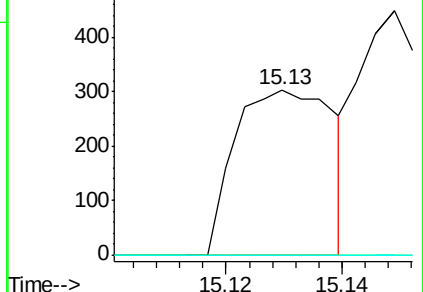
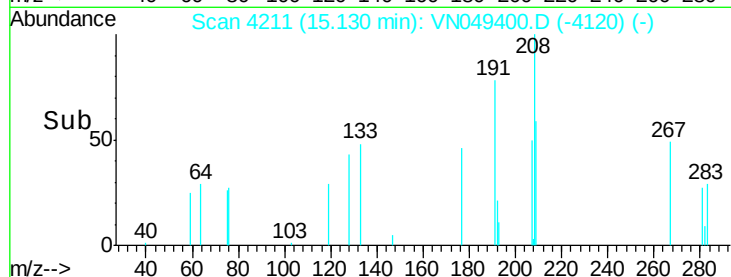
129 0.0 8.5 12.7#



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



#96

1,2,3-Trichlorobenzene

Concen: 3.48 ug/l

RT: 15.32 min Scan# 4270

Delta R.T. 0.00 min

Lab File: VN049400.D

Acq: 19 Jun 2018 21:38

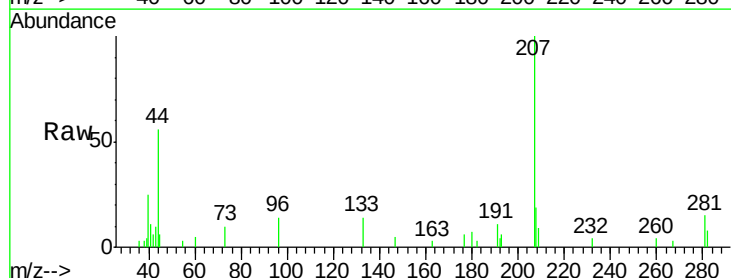
Tgt Ion:180 Resp: 229

Ion Ratio Lower Upper

180 100

182 25.8 47.3 141.8#

145 0.0 15.6 46.7#



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

