

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070218\
 Data File : VN049674.D
 Acq On : 2 Jul 2018 17:19
 Operator : MD\SY
 Sample : PB110744 ZHE#01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB110744 ZHE#01

Quant Time: Jul 03 03:48:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 30 00:55:30 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1364130	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2157564	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1794755	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	705698	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	915508	50.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.64%	
35) Dibromofluoromethane	7.59	113	751184	46.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.14%	
50) Toluene-d8	10.09	98	2899674	45.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.86%	
62) 4-Bromofluorobenzene	12.40	95	863896	40.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.16%	

Target Compounds

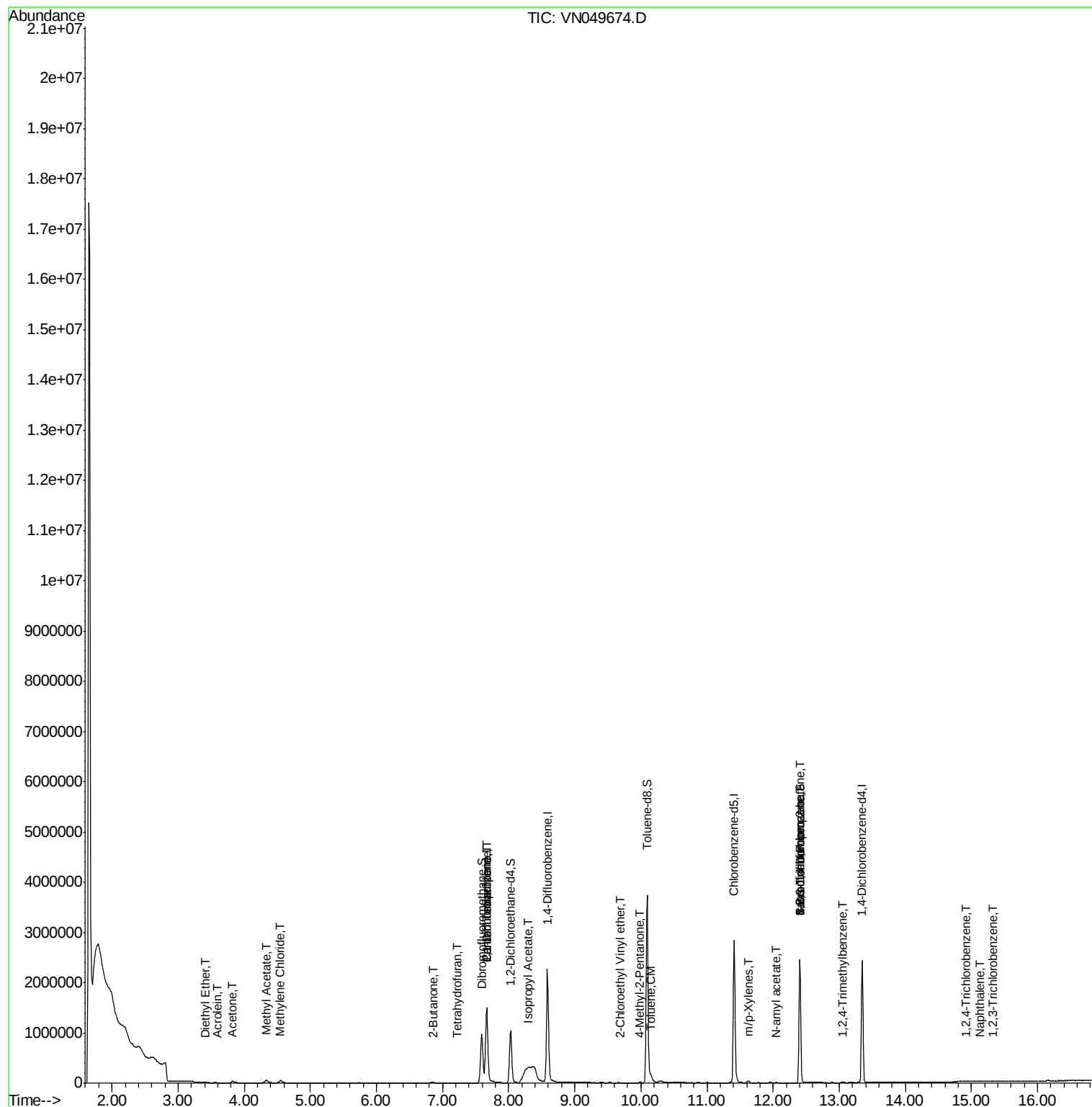
						Qvalue
8) Diethyl Ether	3.41	74	2220	0.23	ug/l	59
13) Acrolein	3.60	56	1092	1.13	ug/l #	62
16) Acetone	3.82	43	54680	7.36	ug/l	95
17) Carbon Disulfide	4.04	76	2895	Below Cal	#	75
18) Methyl Acetate	4.33	43	118631	2.23	ug/l	95
20) Methylene Chloride	4.55	84	33714	1.82	ug/l	97
25) 2-Butanone	6.86	43	6524	1.09	ug/l	96
29) Tetrahydrofuran	7.23	42	2976	0.78	ug/l #	65
36) 1,1-Dichloropropene	7.67	75	89980	3.71	ug/l #	50
38) Carbon Tetrachloride	7.67	117	117011	4.96	ug/l #	16
43) Isopropyl Acetate	8.29	43	579757	20.28	ug/l #	62
51) 4-Methyl-2-Pentanone	9.99	43	4150	0.30	ug/l	99
52) Toluene	10.16	92	32124	0.72	ug/l	92
58) 2-Chloroethyl Vinyl ether	9.69	63	68	10.83	ug/l #	48
68) m/p-Xylenes	11.62	106	10635	0.36	ug/l	82
71) Bromoform	12.40	173	6410	0.57	ug/l #	1
74) N-amyl acetate	12.04	43	3663	0.24	ug/l #	44
75) 1,1,2,2-Tetrachloroethane	12.59	83	31	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.40	75	412396	36.44	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	412396	123.76	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.04	105	11965	0.25	ug/l	95
87) 1,3-Dichlorobenzene	13.29	146	754	Below Cal	#	49
88) 1,4-Dichlorobenzene	13.37	146	1201	Below Cal	#	1
91) 1,2-Dichlorobenzene	13.65	146	298	Below Cal	#	25
92) 1,2-Dibromo-3-Chloropropan	14.27	75	315	Below Cal	#	1
93) 1,2,4-Trichlorobenzene	14.91	180	307	2.43	ug/l #	55
95) Naphthalene	15.14	128	4358	4.18	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.32	180	151	1.66	ug/l #	33

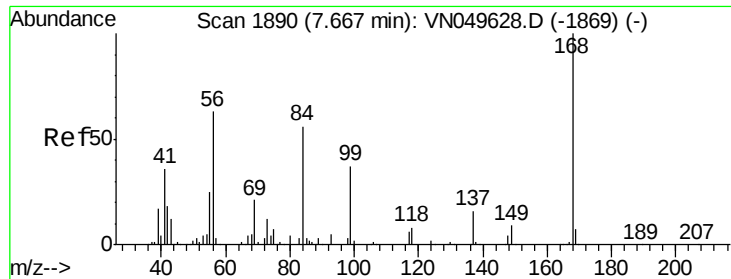
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Jun 30 00:55:30 2018
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049674.D

Acq: 2 Jul 2018 17:19

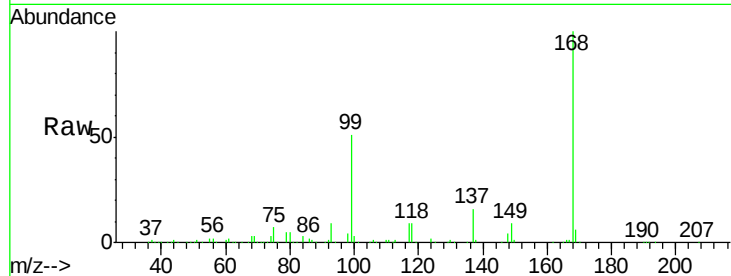
Instrument :
MSVOA_N
ClientSampleId :
PB110744 ZHE#01

Tot Ion:168 Resp: 1364130

Ion Ratio Lower Upper

168 100

99 51.3 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

600000

500000

400000

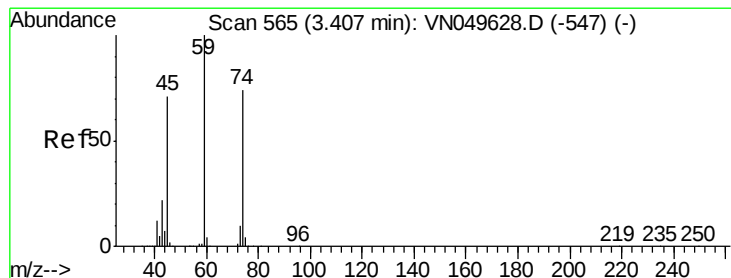
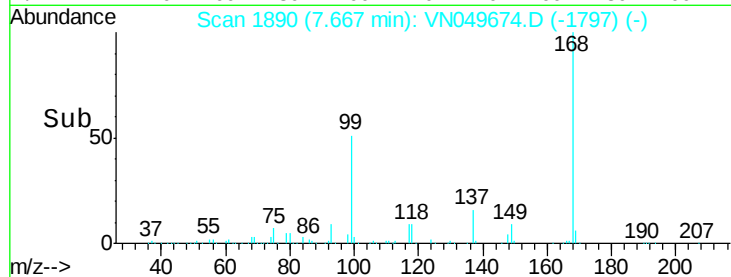
300000

200000

100000

0

Time-->



#8

Diethyl Ether

Concen: 0.23 ug/l

RT: 3.41 min Scan# 567

Delta R.T. 0.01 min

Lab File: VN049674.D

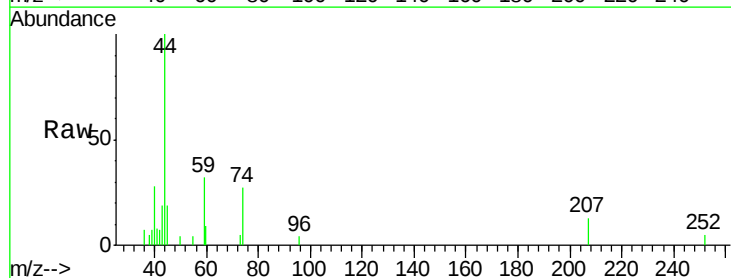
Acq: 2 Jul 2018 17:19

Tgt Ion: 74 Resp: 2220

Ion Ratio Lower Upper

74 100

45 56.7 48.4 145.2



Abundance Ion 74.00 (73.70 to 74.70): VN0

Ion 45.00 (44.70 to 45.70): VN0

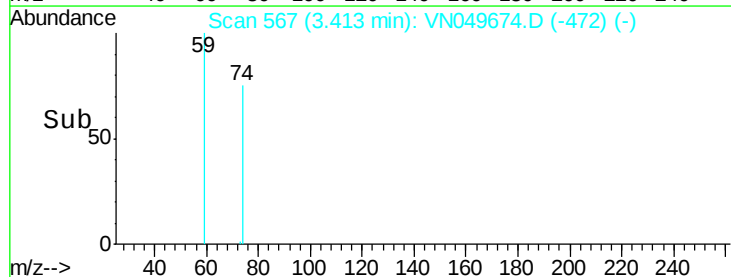
1500

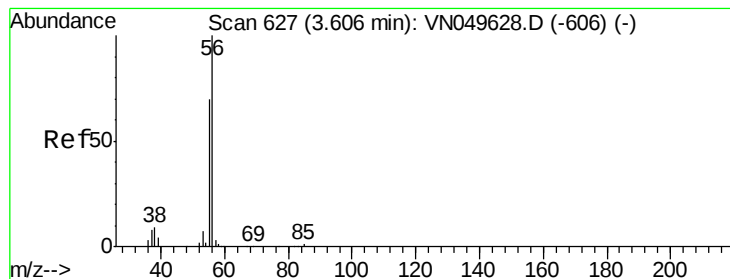
1000

500

0

Time-->





#13

Acrolein

Concen: 1.13 ug/l

RT: 3.60 min Scan# 626

Delta R.T. -0.00 min

Lab File: VN049674.D

Acq: 2 Jul 2018 17:19

Instrument :

MSVOA_N

ClientSampleId :

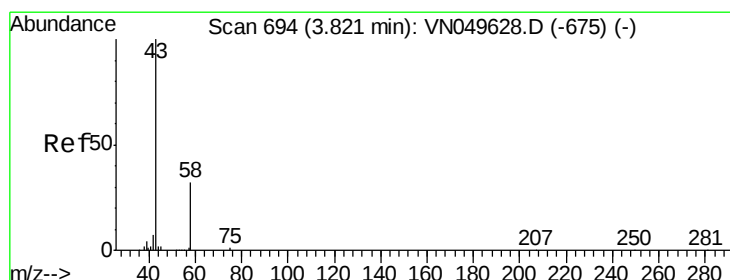
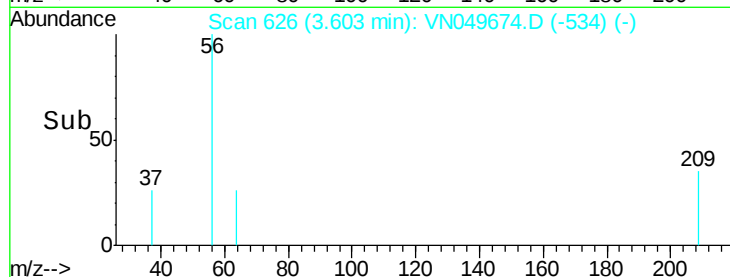
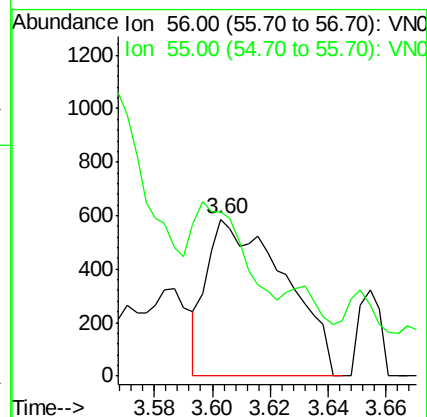
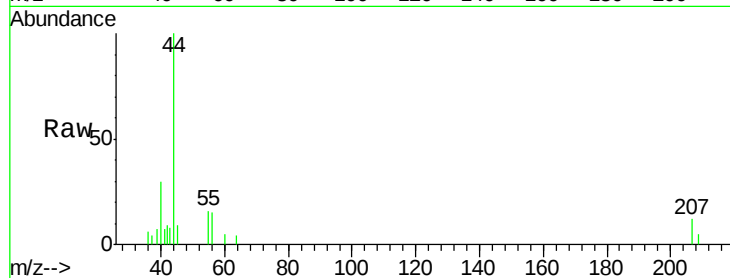
PB110744 ZHE#01

Tot Ion: 56 Resp: 1092

Ion Ratio Lower Upper

56 100

55 38.6 55.8 83.8#



#16

Acetone

Concen: 7.36 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN049674.D

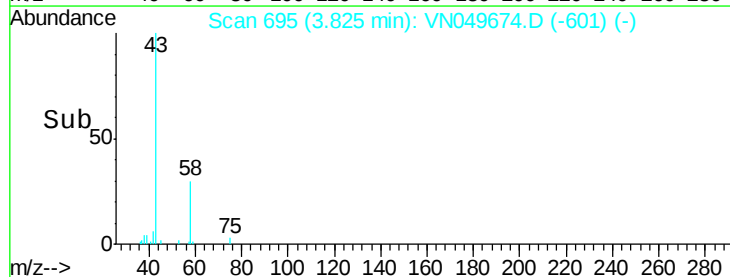
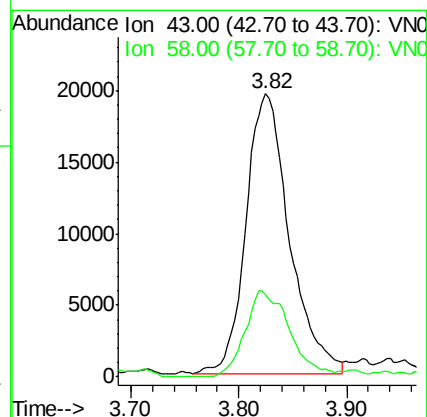
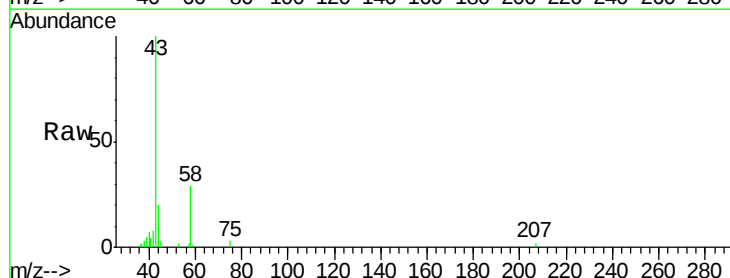
Acq: 2 Jul 2018 17:19

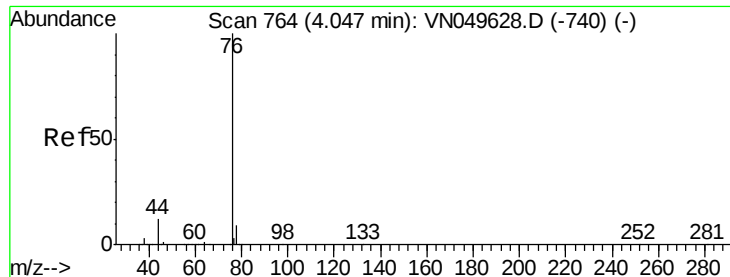
Tgt Ion: 43 Resp: 54680

Ion Ratio Lower Upper

43 100

58 29.6 25.9 38.9





#17

Carbon Disulfide

Concen: Below Cal

RT: 4.04 min Scan# 763

Delta R.T. -0.00 min

Lab File: VN049674.D

Acq: 2 Jul 2018 17:19

Instrument :

MSVOA_N

ClientSampleId :

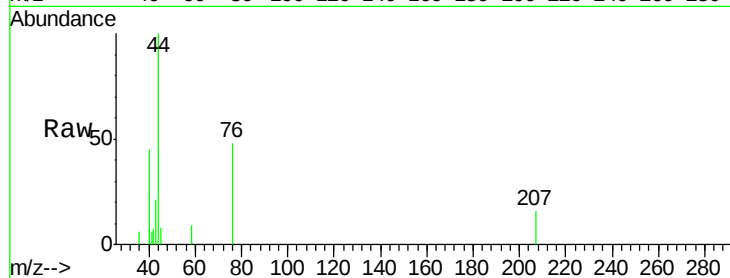
PB110744 ZHE#01

Tot Ion: 76 Resp: 2895

Ion Ratio Lower Upper

76 100

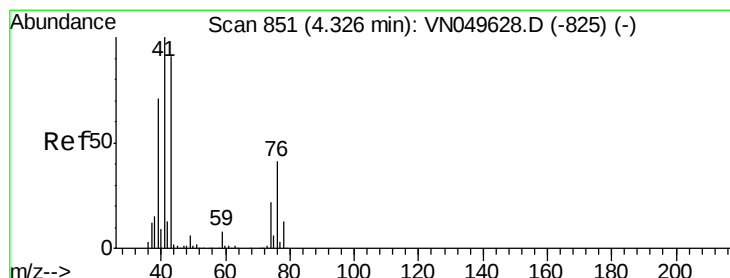
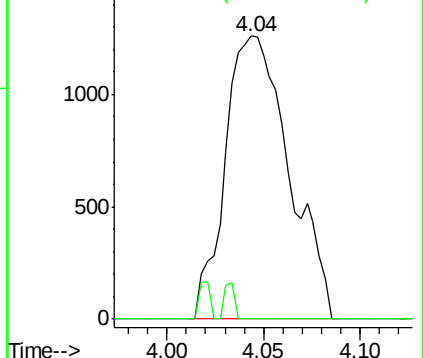
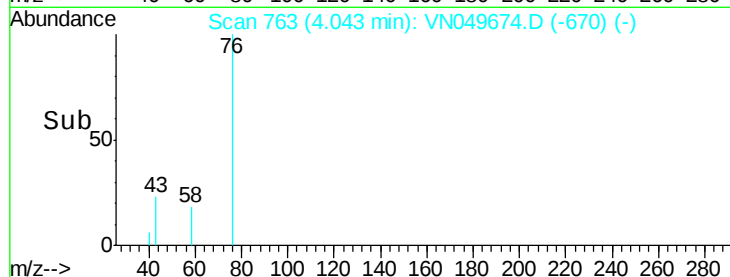
78 0.0 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VN049628.D (-740) (-)

Ion 77.90 (77.60 to 78.60): VN049628.D (-740) (-)

Time-->



#18

Methyl Acetate

Concen: 2.23 ug/l

RT: 4.33 min Scan# 853

Delta R.T. 0.01 min

Lab File: VN049674.D

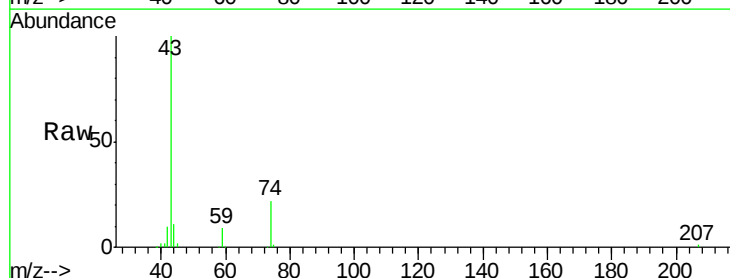
Acq: 2 Jul 2018 17:19

Tgt Ion: 43 Resp: 118631

Ion Ratio Lower Upper

43 100

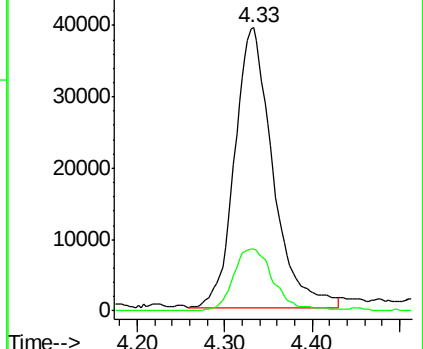
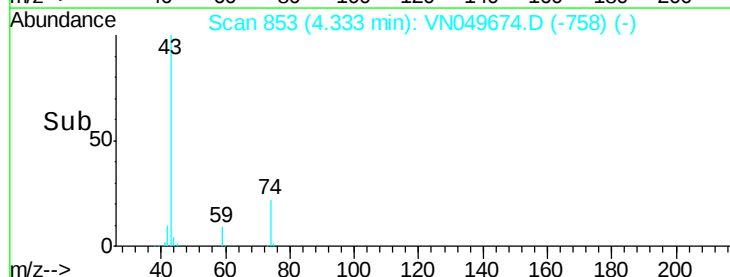
74 22.5 19.8 29.8

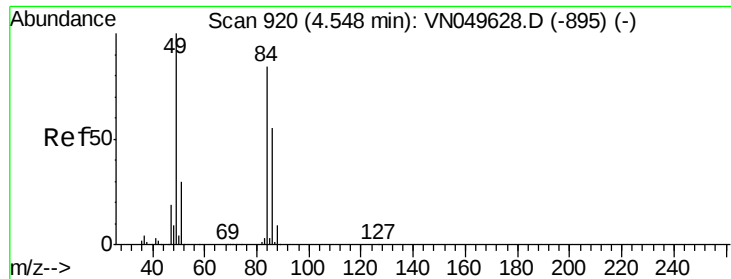


Abundance Ion 43.00 (42.70 to 43.70): VN049628.D (-825) (-)

Ion 74.00 (73.70 to 74.70): VN049628.D (-825) (-)

Time-->

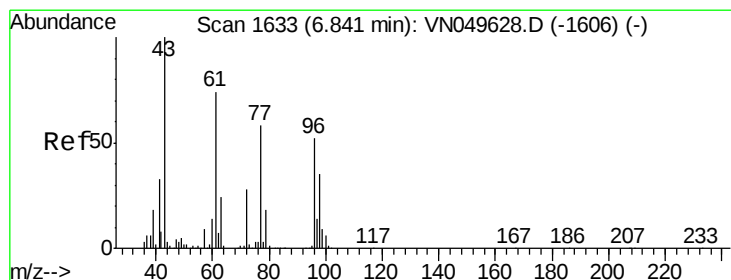
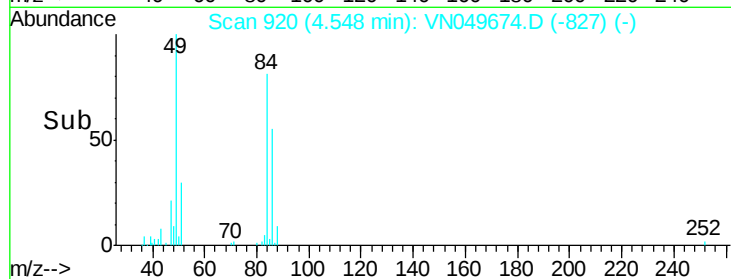
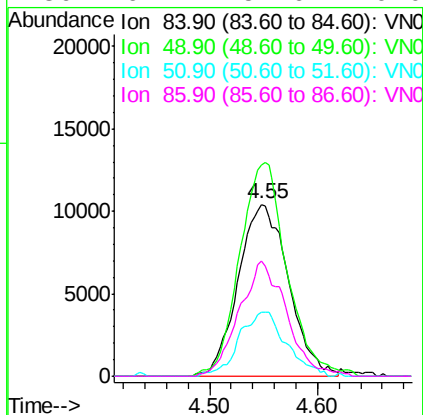
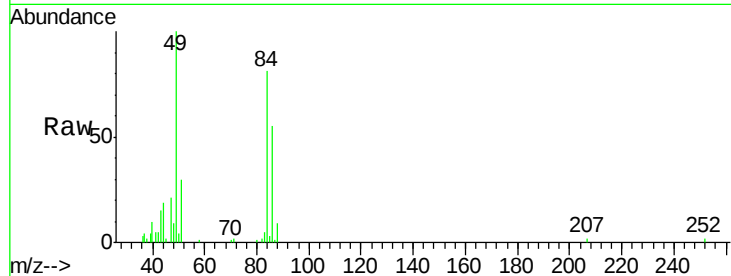




#20
Methvlene Chloride
Concen: 1.82 ug/l
RT: 4.55 min Scan# 920
Delta R.T. 0.00 min
Lab File: VN049674.D
Acq: 2 Jul 2018 17:19

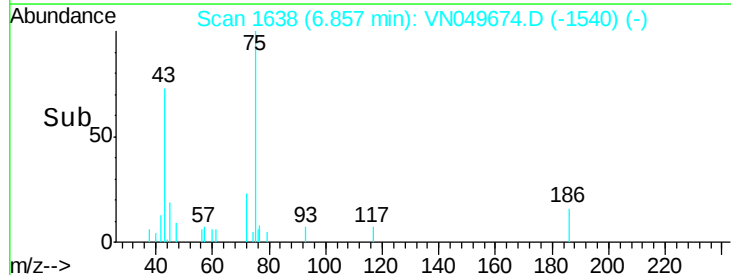
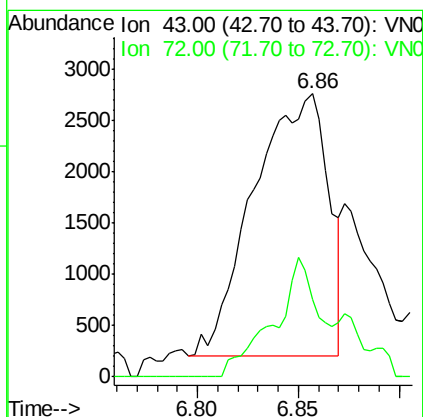
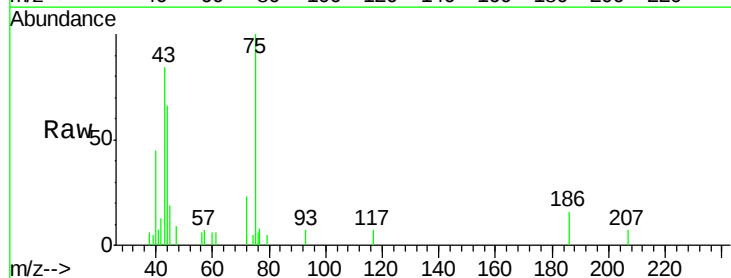
Instrument :
MSVOA_N
ClientSampleId :
PB110744 ZHE#01

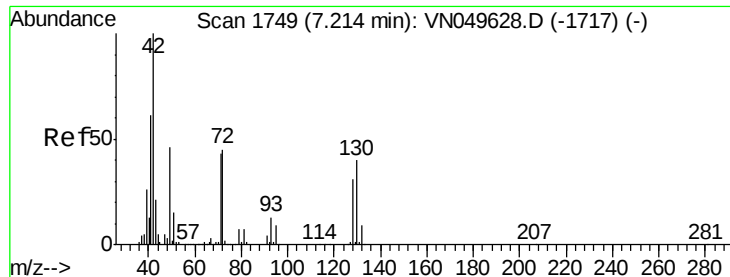
Tot Ion: 84 Resp: 33714
Ion Ratio Lower Upper
84 100
49 123.3 95.4 143.2
51 37.1 28.4 42.6
86 67.2 52.6 79.0



#25
2-Butanone
Concen: 1.09 ug/l
RT: 6.86 min Scan# 1638
Delta R.T. 0.02 min
Lab File: VN049674.D
Acq: 2 Jul 2018 17:19

Tgt Ion: 43 Resp: 6524
Ion Ratio Lower Upper
43 100
72 29.6 22.1 33.1





#29

Tetrahydrofuran

Concen: 0.78 ug/l

RT: 7.23 min Scan# 1753

Delta R.T. 0.01 min

Lab File: VN049674.D

Acq: 2 Jul 2018 17:19

Instrument :

MSVOA_N

ClientSampleId :

PB110744 ZHE#01

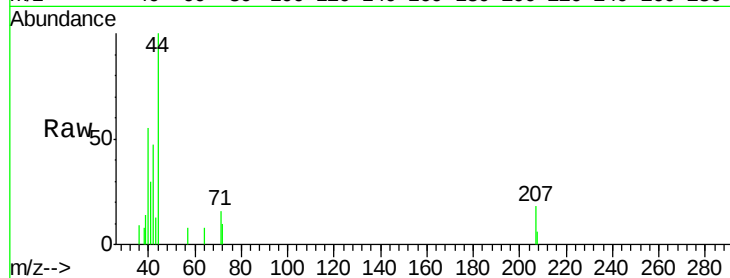
Tot Ion: 42 Resp: 2976

Ion Ratio Lower Upper

42 100

72 12.0 35.6 53.4#

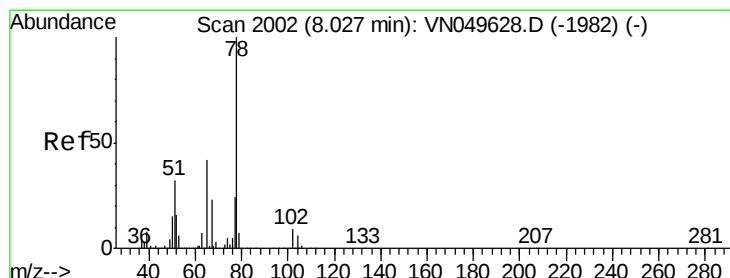
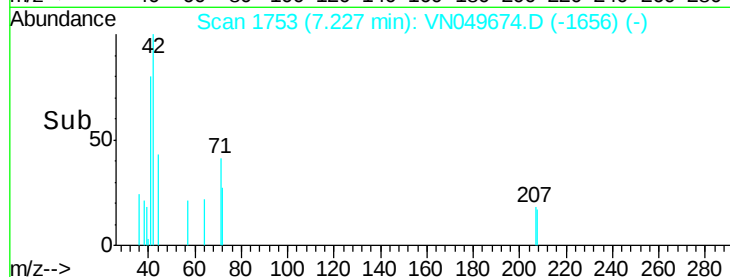
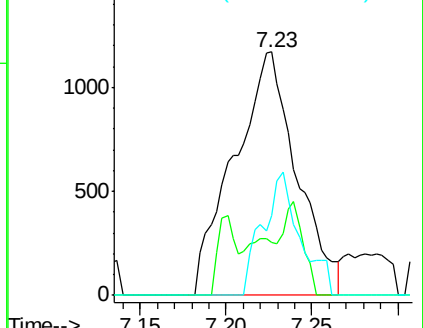
71 30.2 34.0 51.0#



Abundance Ion 42.00 (41.70 to 42.70): VN049628.D (-1717) (-)

Ion 72.00 (71.70 to 72.70): VN049628.D (-1717) (-)

Ion 71.00 (70.70 to 71.70): VN049628.D (-1717) (-)



#33

1,2-Dichloroethane-d4

Concen: 50.82 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN049674.D

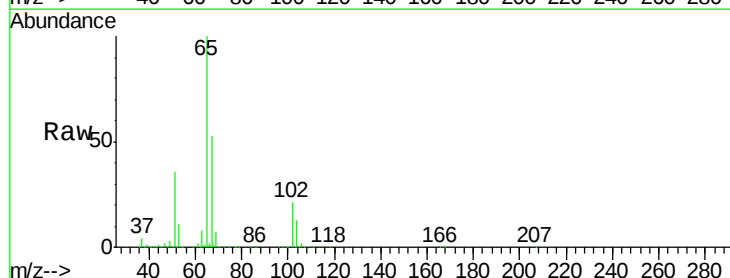
Acq: 2 Jul 2018 17:19

Tgt Ion: 65 Resp: 915508

Ion Ratio Lower Upper

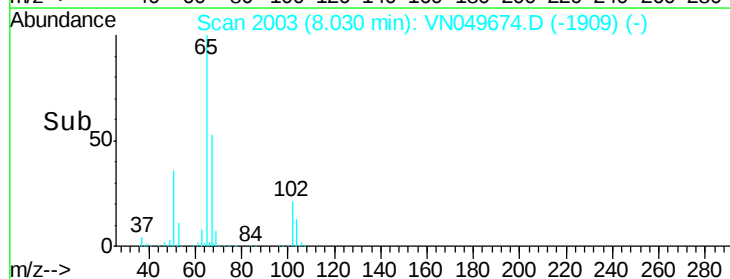
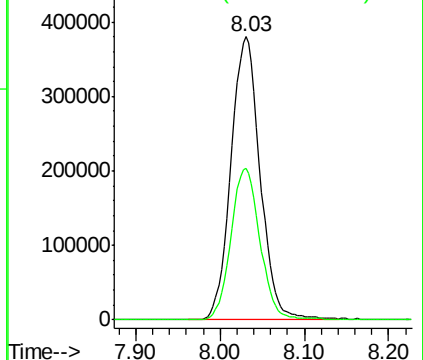
65 100

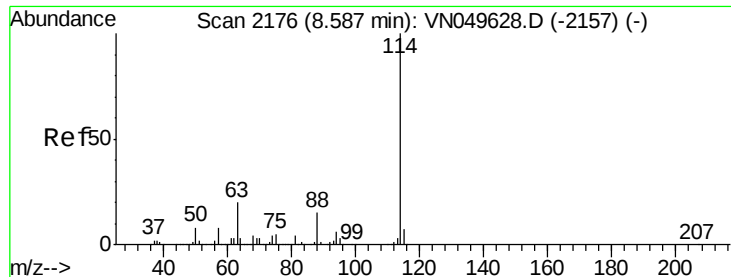
67 53.3 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VN049628.D (-1982) (-)

Ion 66.90 (66.60 to 67.60): VN049628.D (-1982) (-)

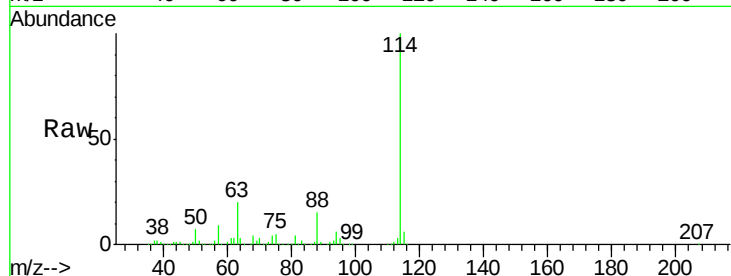




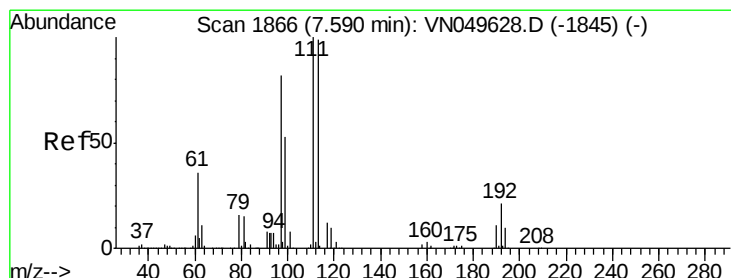
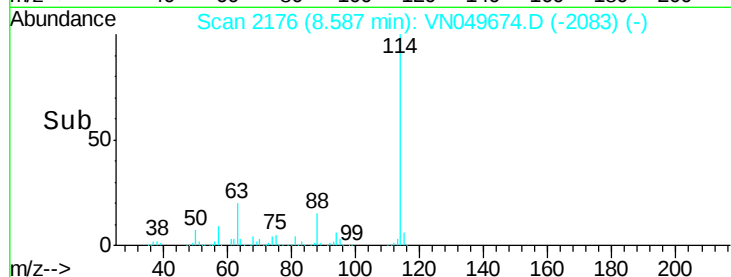
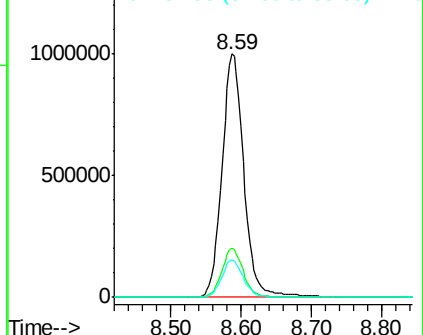
#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.59 min Scan# 2176
Delta R.T. 0.00 min
Lab File: VN049674.D
Acq: 2 Jul 2018 17:19

Instrument :
MSVOA_N
ClientSampleId :
PB110744 ZHE#01

Tot Ion:114 Resp: 2157564
Ion Ratio Lower Upper
114 100
63 20.2 0.0 39.8
88 15.5 0.0 30.6

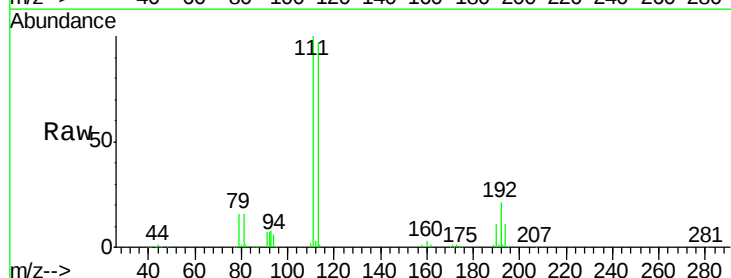


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

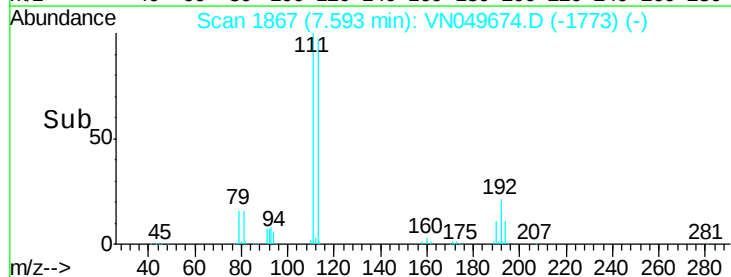
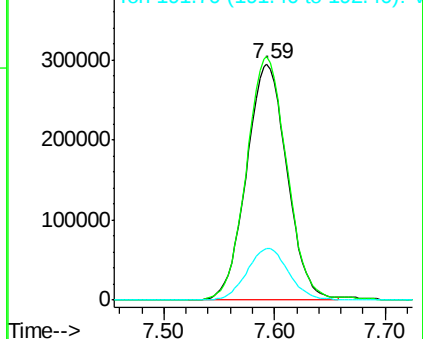


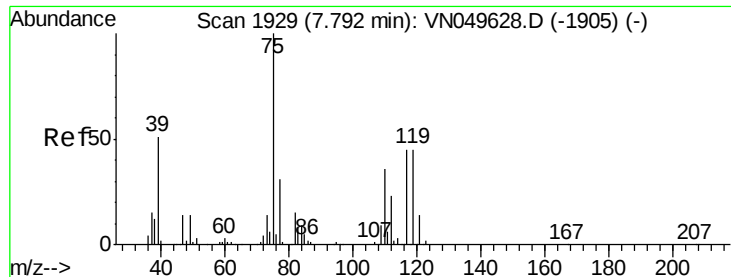
#35
Dibromofluoromethane
Concen: 46.57 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN049674.D
Acq: 2 Jul 2018 17:19

Tgt Ion:113 Resp: 751184
Ion Ratio Lower Upper
113 100
111 103.3 81.8 122.8
192 22.4 17.8 26.6



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: 3.71 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.13 min

Lab File: VN049674.D

Acq: 2 Jul 2018 17:19

Instrument :

MSVOA_N

ClientSampleId :

PB110744 ZHE#01

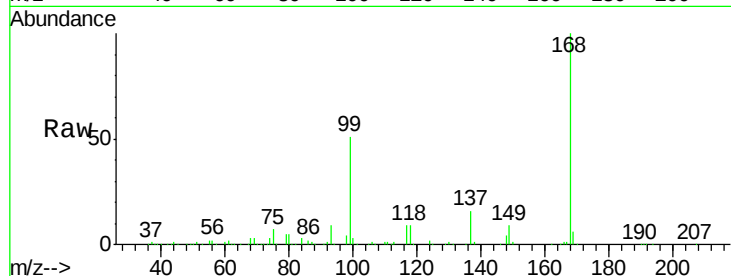
Tot Ion: 75 Resp: 89980

Ion Ratio Lower Upper

75 100

110 9.8 18.1 54.4#

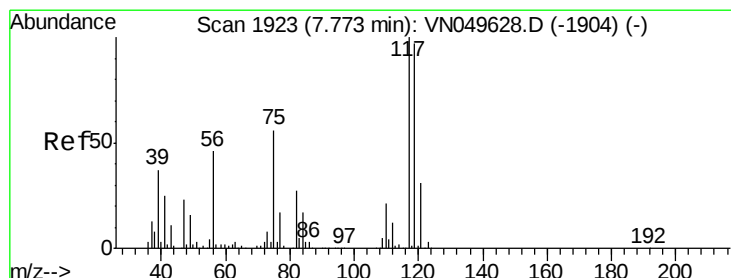
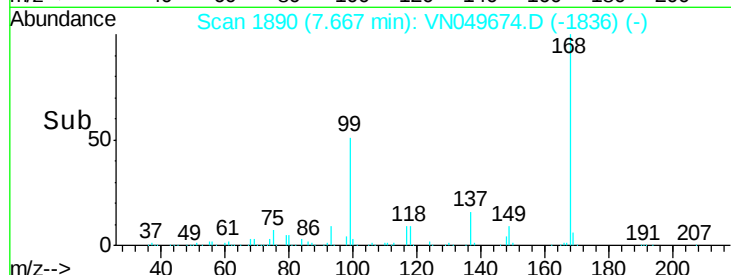
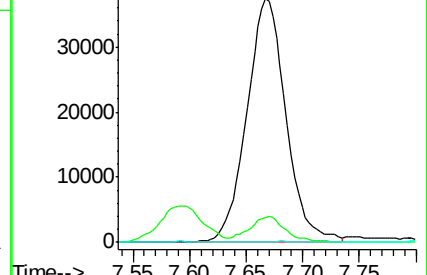
77 0.1 24.9 37.3#



Abundance Ion 74.90 (74.60 to 75.60): VN049628.D (-1905) (-)

Ion 109.90 (109.60 to 110.60): VN049628.D (-1905) (-)

Ion 76.90 (76.60 to 77.60): VN049628.D (-1905) (-)



#38

Carbon Tetrachloride

Concen: 4.96 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.11 min

Lab File: VN049674.D

Acq: 2 Jul 2018 17:19

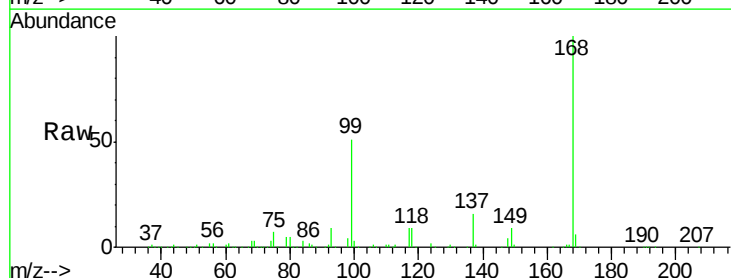
Tgt Ion: 117 Resp: 117011

Ion Ratio Lower Upper

117 100

119 5.4 77.2 115.8#

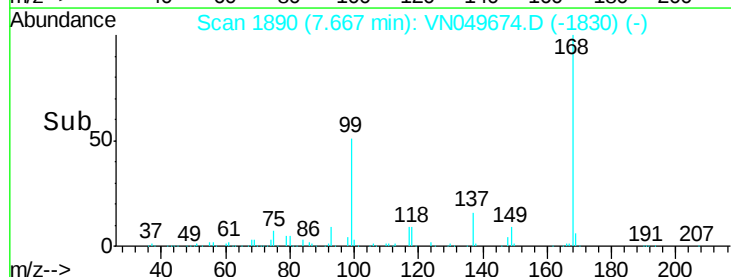
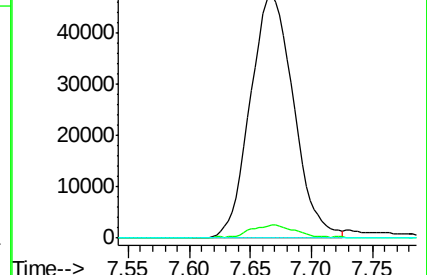
121 0.0 25.0 37.6#

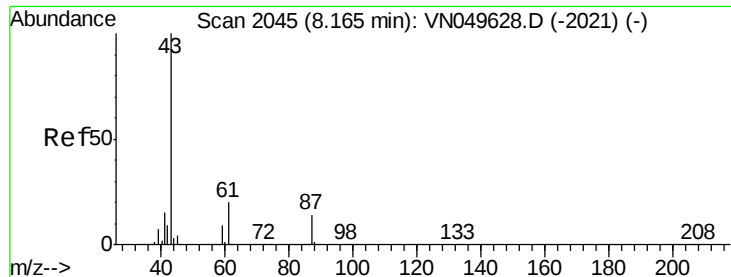


Abundance Ion 116.80 (116.50 to 117.50): VN049628.D (-1904) (-)

Ion 118.80 (118.50 to 119.50): VN049628.D (-1904) (-)

Ion 120.80 (120.50 to 121.50): VN049628.D (-1904) (-)





#43

Isopropyl Acetate

Concen: 20.28 ug/l

RT: 8.29 min Scan# 2085

Delta R.T. 0.13 min

Lab File: VN049674.D

Acq: 2 Jul 2018 17:19

Instrument :

MSVOA_N

ClientSampleId :

PB110744 ZHE#01

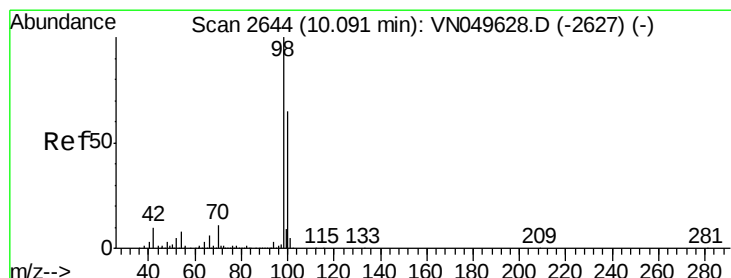
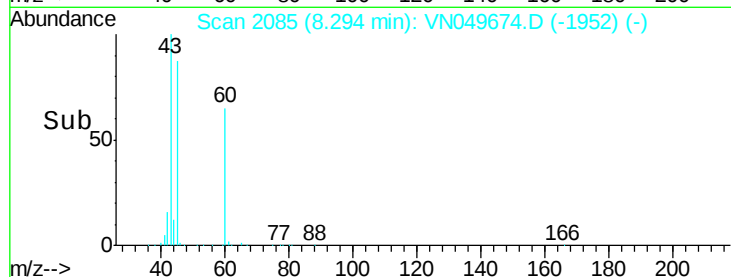
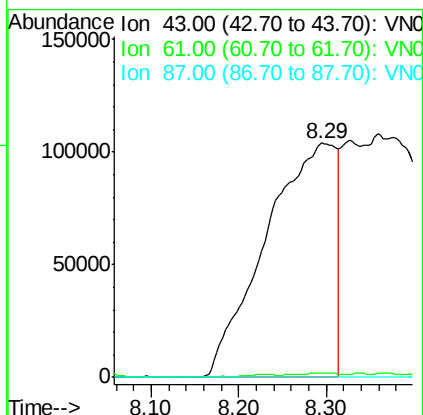
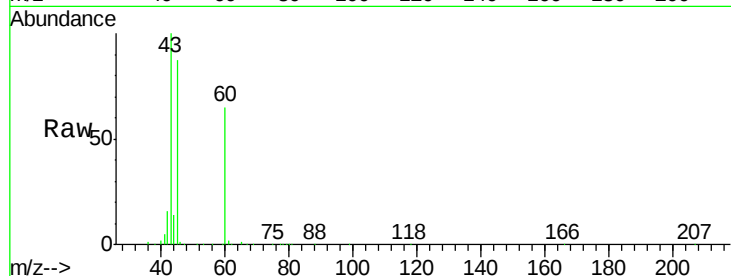
Tot Ion: 43 Resp: 579757

Ion Ratio Lower Upper

43 100

61 0.0 14.9 22.3#

87 0.0 10.0 15.0#



#50

Toluene-d8

Concen: 45.93 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN049674.D

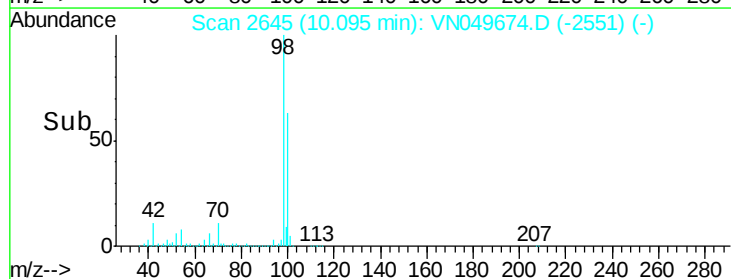
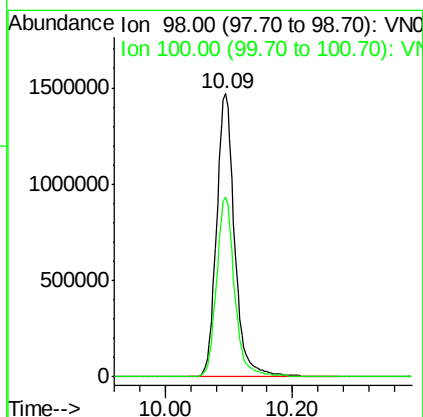
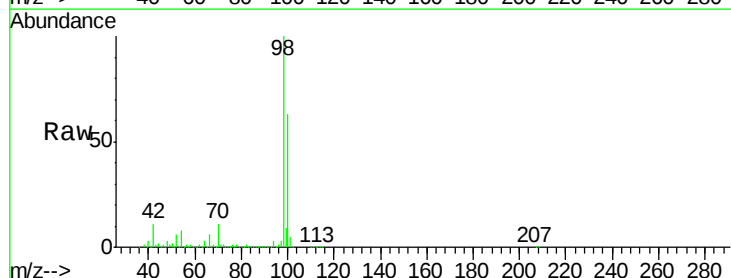
Acq: 2 Jul 2018 17:19

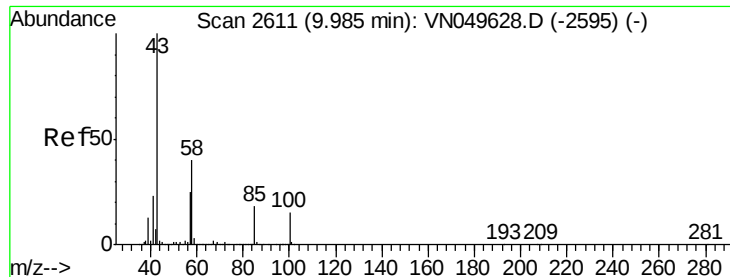
Tgt Ion: 98 Resp: 2899674

Ion Ratio Lower Upper

98 100

100 63.5 51.7 77.5

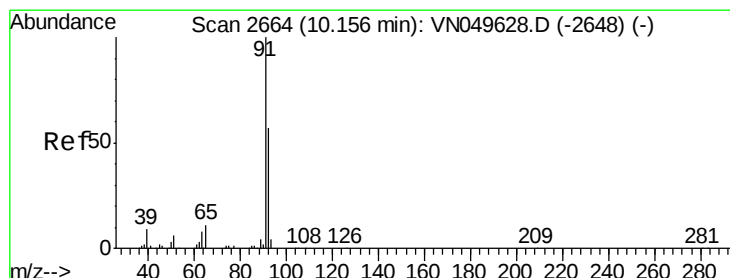
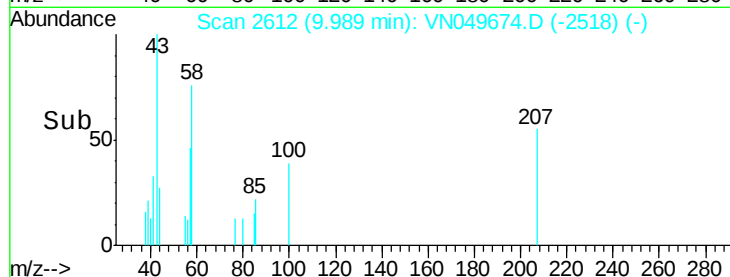
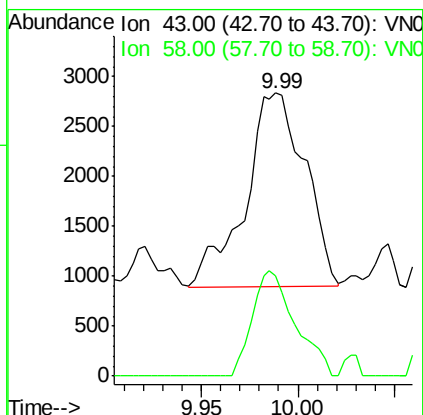
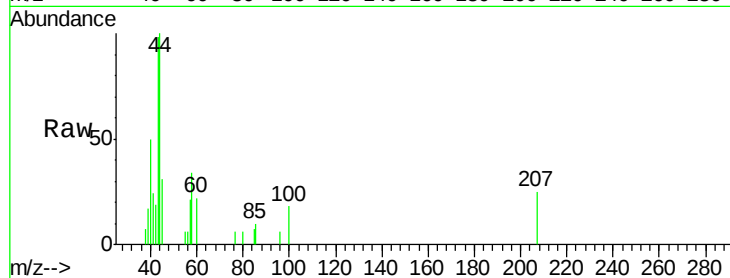




#51
4-Methyl-2-Pentanone
Concen: 0.30 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN049674.D
Acq: 2 Jul 2018 17:19

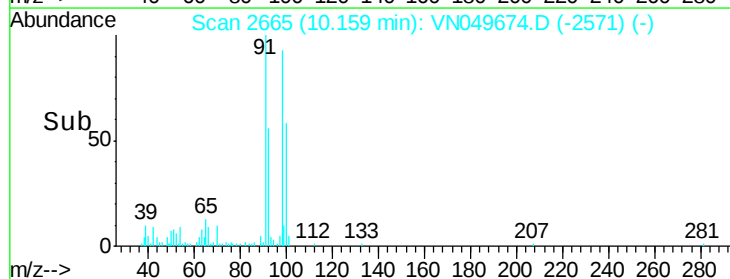
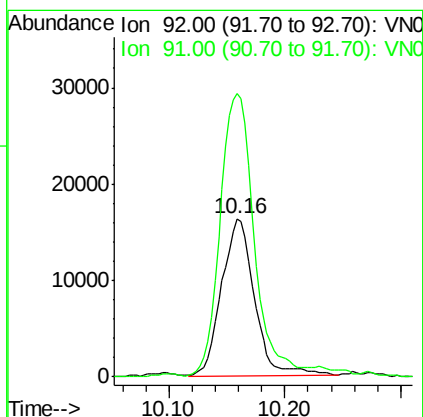
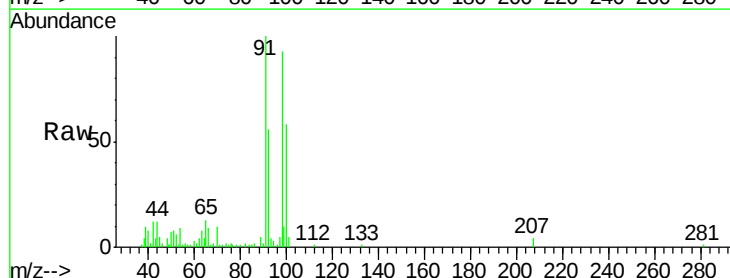
Instrument :
MSVOA_N
ClientSampleId :
PB110744 ZHE#01

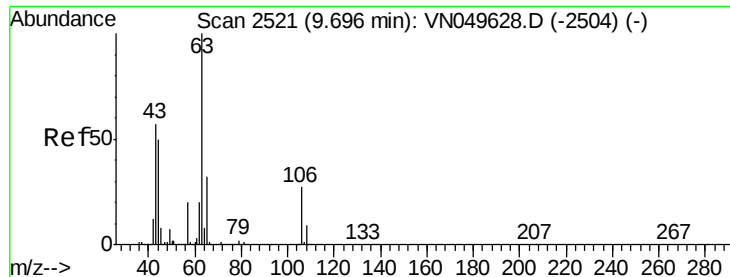
Tot Ion: 43 Resp: 4150
Ion Ratio Lower Upper
43 100
58 39.2 31.8 47.8



#52
Toluene
Concen: 0.72 ug/l
RT: 10.16 min Scan# 2665
Delta R.T. 0.00 min
Lab File: VN049674.D
Acq: 2 Jul 2018 17:19

Tgt Ion: 92 Resp: 32124
Ion Ratio Lower Upper
92 100
91 186.0 140.1 210.1

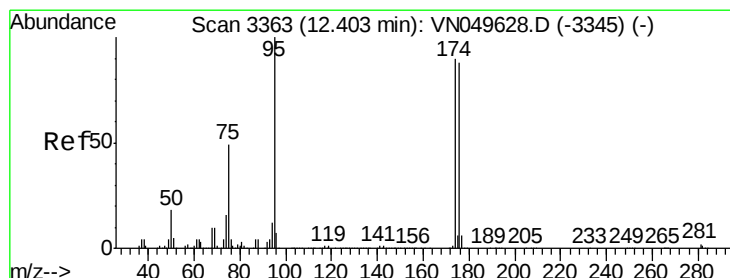
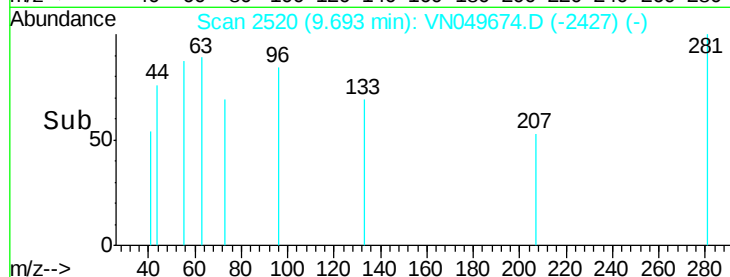
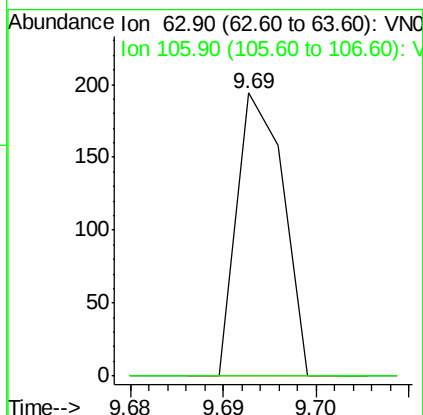
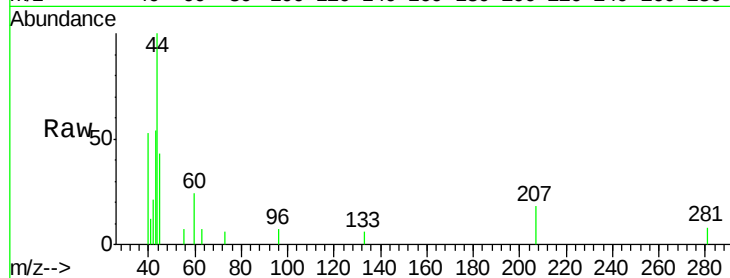




#58
2-Chloroethyl Vinyl ether
Concen: 10.83 ug/l
RT: 9.69 min Scan# 2520
Delta R.T. -0.00 min
Lab File: VN049674.D
Acq: 2 Jul 2018 17:19

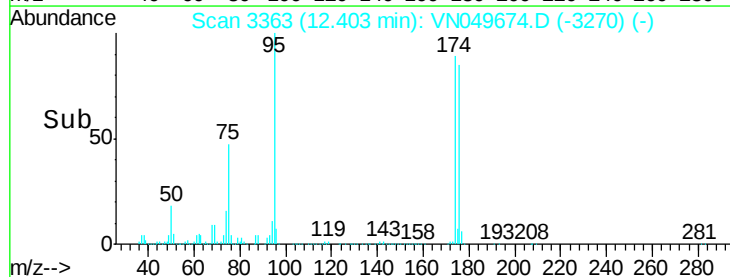
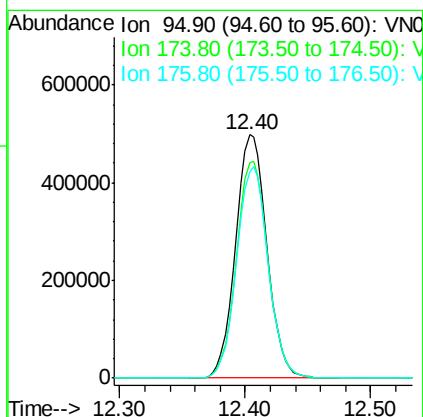
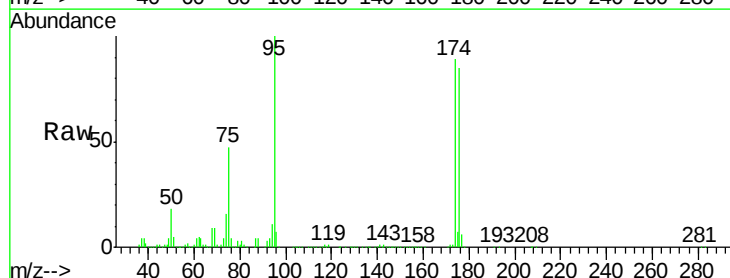
Instrument :
MSVOA_N
ClientSampleId :
PB110744 ZHE#01

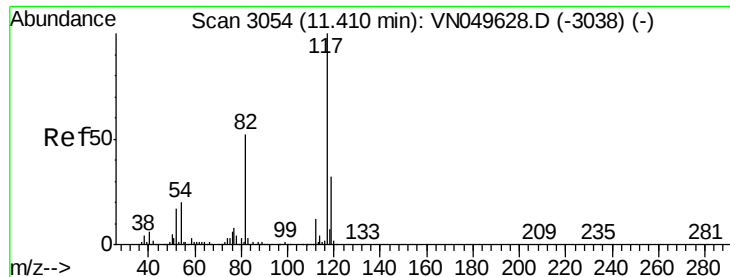
Tot Ion: 63 Resp: 68
Ion Ratio Lower Upper
63 100
106 0.0 21.8 32.8#



#62
4-Bromofluorobenzene
Concen: 40.08 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN049674.D
Acq: 2 Jul 2018 17:19

Tgt Ion: 95 Resp: 863896
Ion Ratio Lower Upper
95 100
174 90.0 0.0 179.6
176 87.2 0.0 174.0

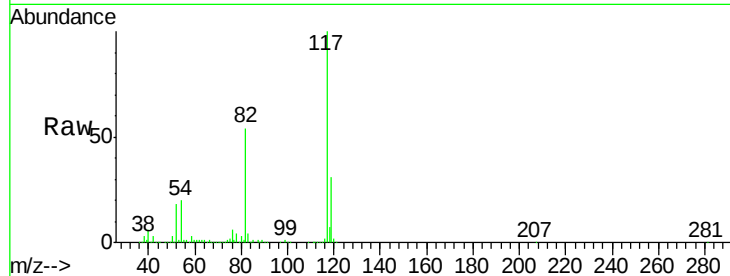




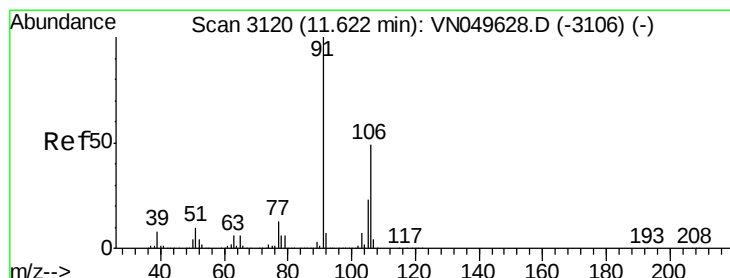
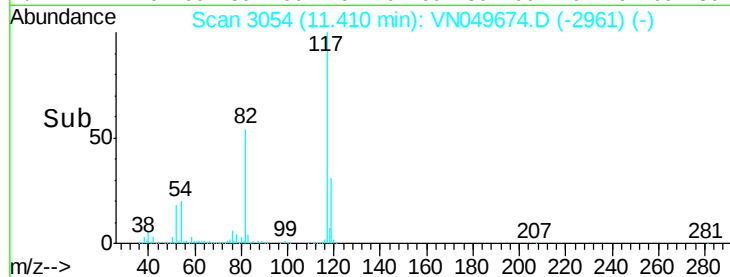
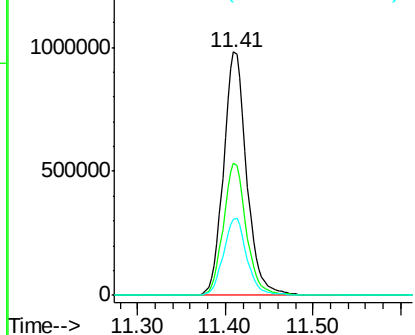
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049674.D
Acq: 2 Jul 2018 17:19

Instrument :
MSVOA_N
ClientSampled :
PB110744 ZHE#01

Tot Ion:117 Resp: 1794755
Ion Ratio Lower Upper
117 100
82 54.3 41.9 62.9
119 31.3 25.4 38.2

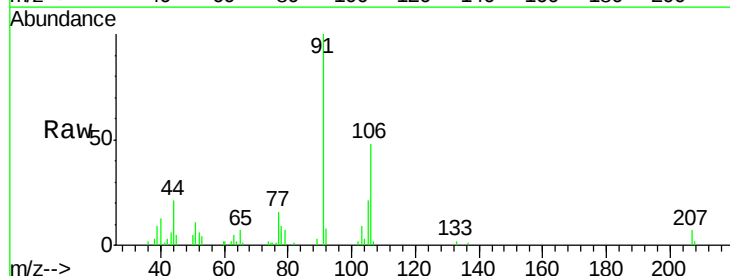


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

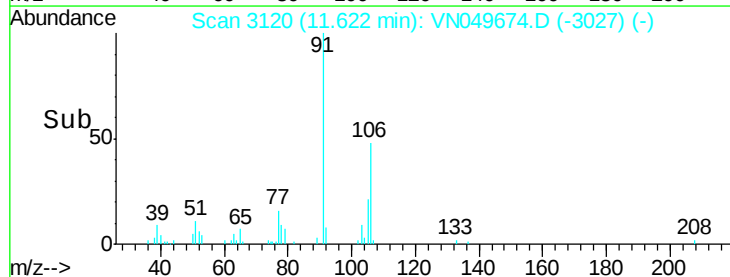
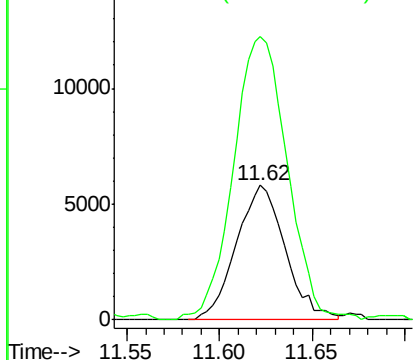


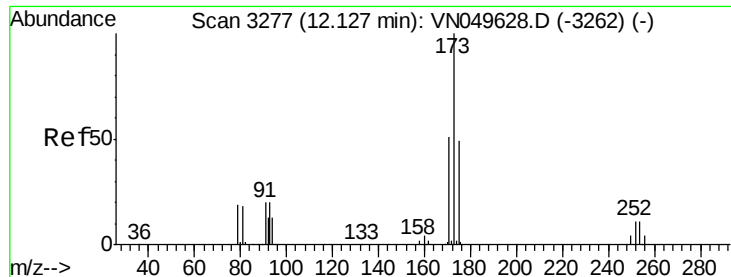
#68
m/p-Xylenes
Concen: 0.36 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN049674.D
Acq: 2 Jul 2018 17:19

Tgt Ion:106 Resp: 10635
Ion Ratio Lower Upper
106 100
91 231.3 163.4 245.2



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V





#71

Bromoform

Concen: 0.57 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.28 min

Lab File: VN049674.D

Acq: 2 Jul 2018 17:19

Instrument :

MSVOA_N

ClientSampleId :

PB110744 ZHE#01

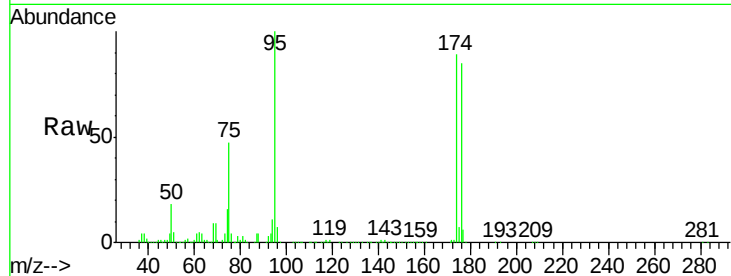
Tot Ion:173 Resp: 6410

Ion Ratio Lower Upper

173 100

175 714.2 24.6 73.8#

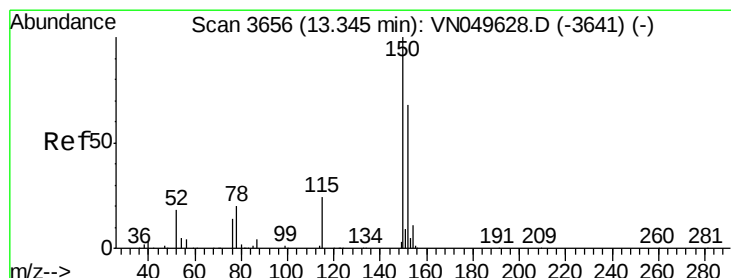
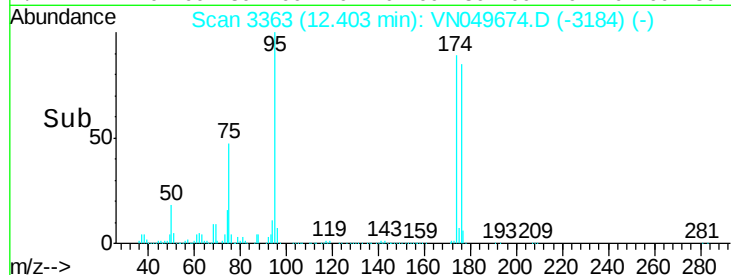
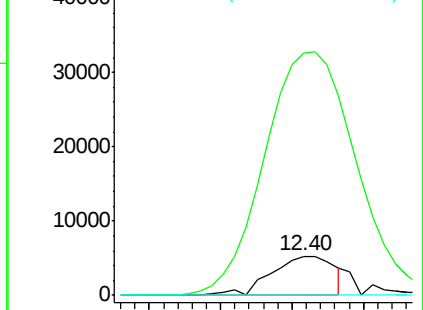
254 0.0 0.2 0.2#



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: VN049674.D

Acq: 2 Jul 2018 17:19

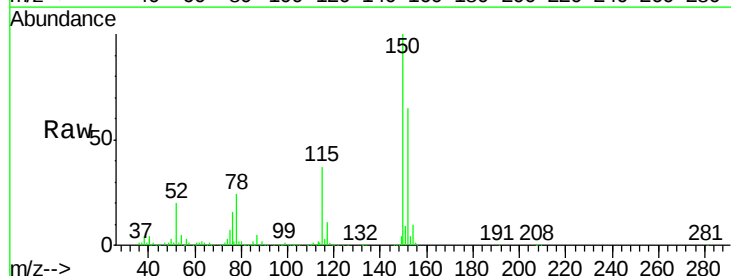
Tgt Ion:152 Resp: 705698

Ion Ratio Lower Upper

152 100

115 55.8 28.1 84.2

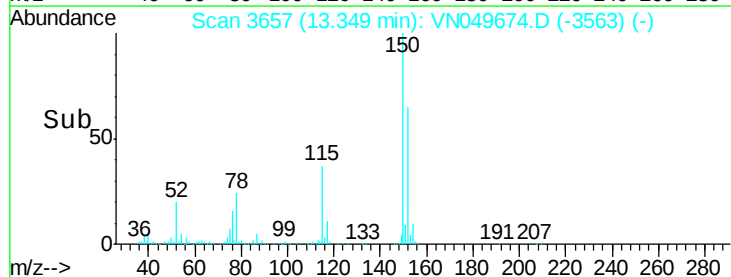
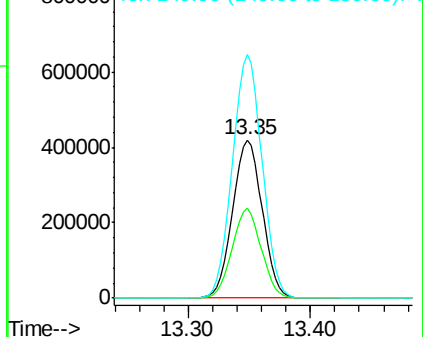
150 154.6 0.0 347.6

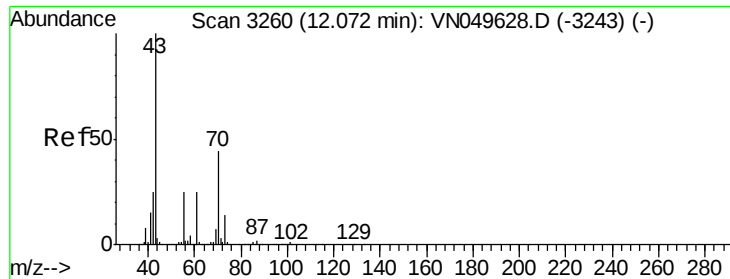


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 0.24 ug/l

RT: 12.04 min Scan# 3251

Delta R.T. -0.03 min

Lab File: VN049674.D

Acq: 2 Jul 2018 17:19

Instrument :

MSVOA_N

ClientSampleId :

PB110744 ZHE#01

Tot Ion: 43 Resp: 3663

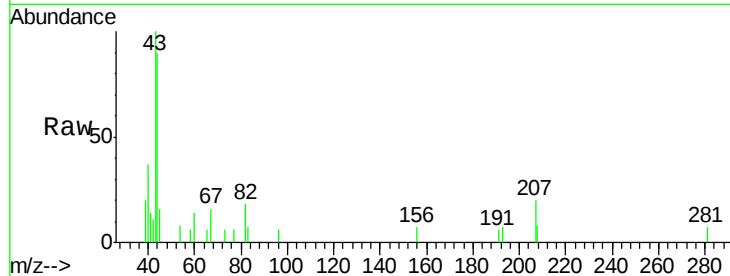
Ion Ratio Lower Upper

43 100

70 0.0 34.8 52.2#

55 3.1 20.9 31.3#

61 0.8 19.9 29.9#

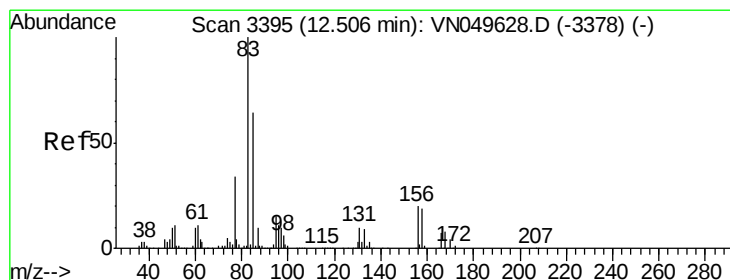
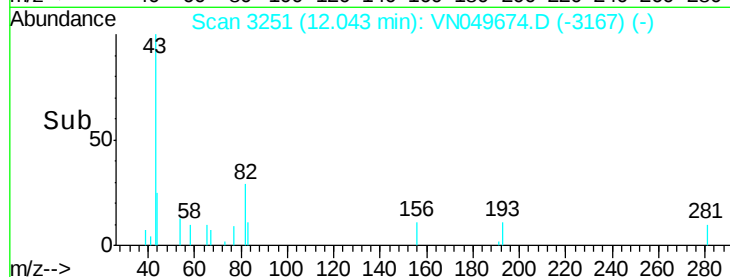
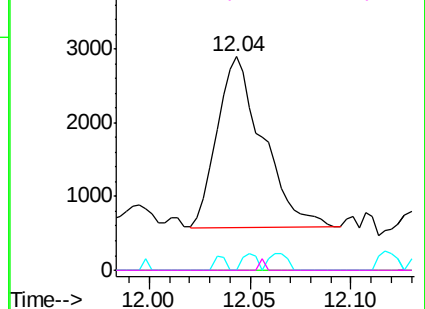


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.59 min Scan# 3422

Delta R.T. 0.09 min

Lab File: VN049674.D

Acq: 2 Jul 2018 17:19

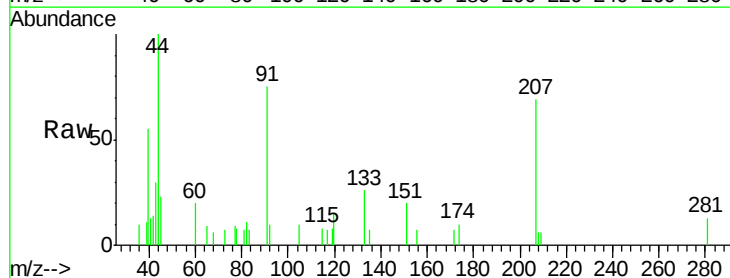
Tgt Ion: 83 Resp: 31

Ion Ratio Lower Upper

83 100

131 0.0 5.2 15.6#

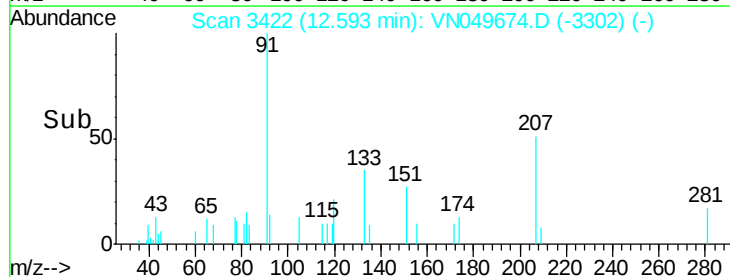
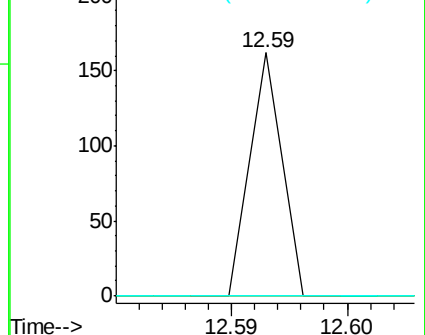
85 0.0 32.5 97.4#

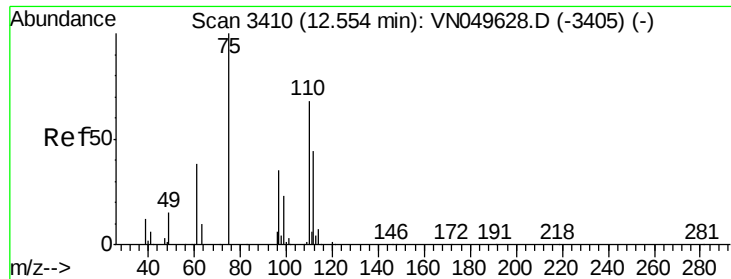


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 36.44 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049674.D

Acq: 2 Jul 2018 17:19

Instrument :

MSVOA_N

ClientSampleId :

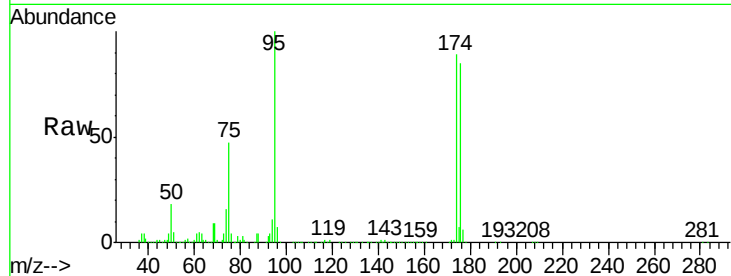
PB110744 ZHE#01

Tot Ion: 75 Resp: 412396

Ion Ratio Lower Upper

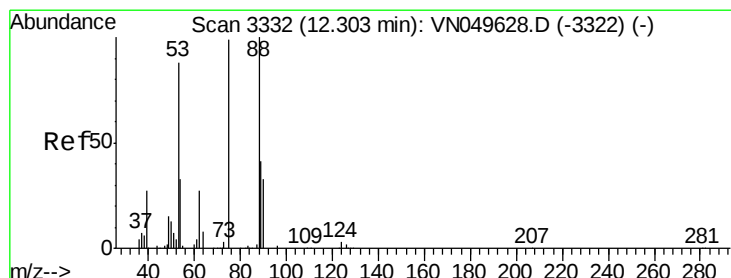
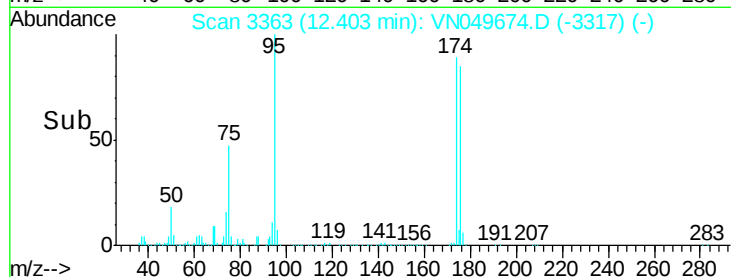
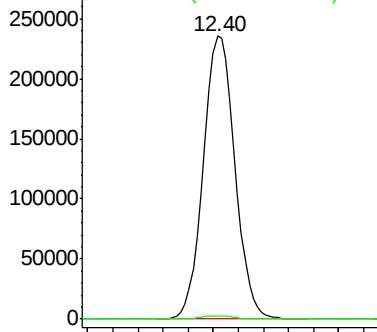
75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO



#81

trans-1,4-Dichloro-2-butene

Concen: 123.76 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049674.D

Acq: 2 Jul 2018 17:19

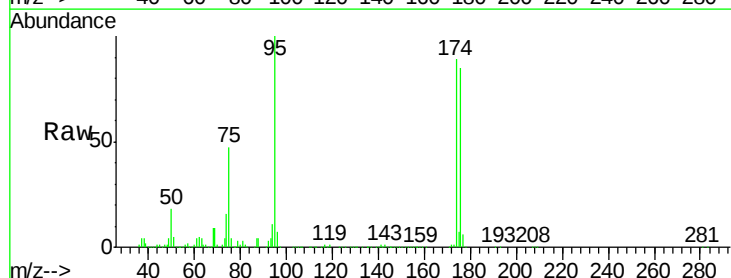
Tgt Ion: 75 Resp: 412396

Ion Ratio Lower Upper

75 100

53 0.2 73.9 110.9#

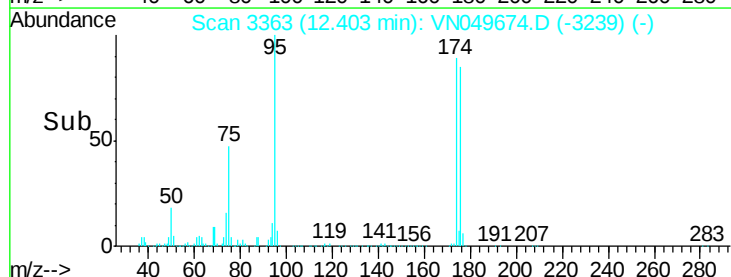
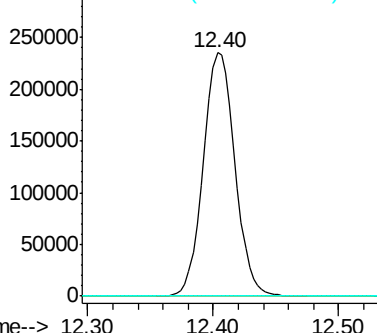
89 0.0 35.9 53.9#

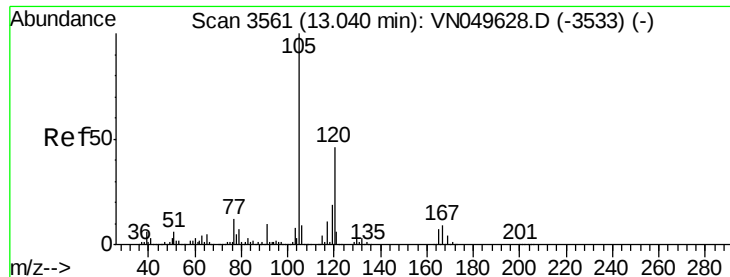


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

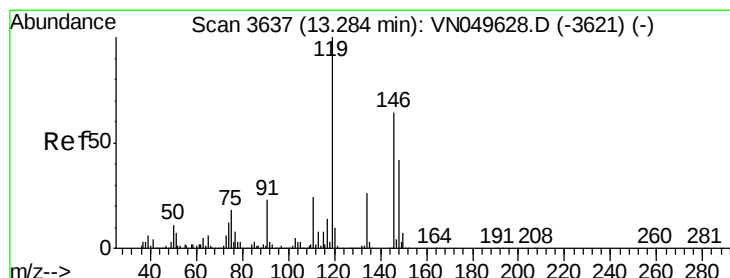
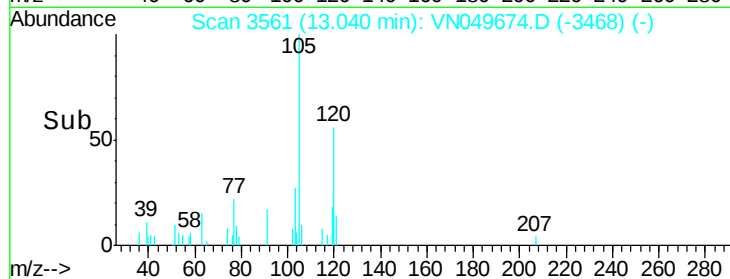
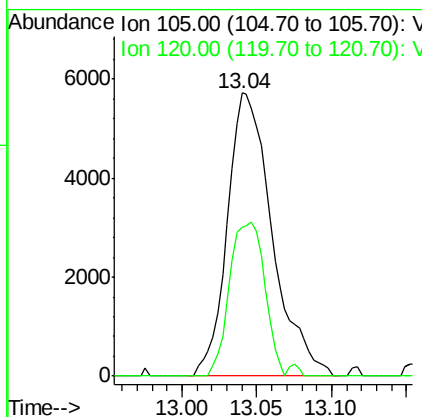
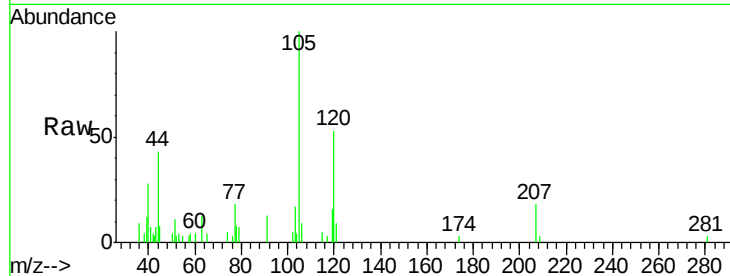




#84
 1,2,4-Trimethylbenzene
 Concen: 0.25 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN049674.D
 Acq: 2 Jul 2018 17:19

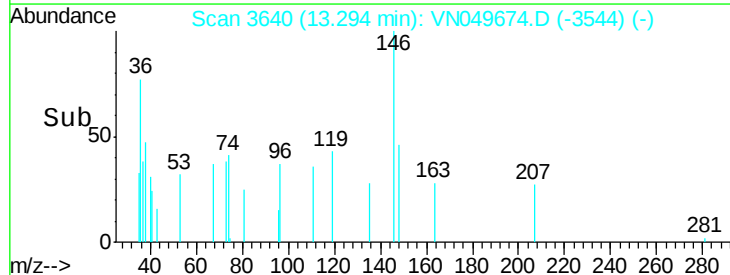
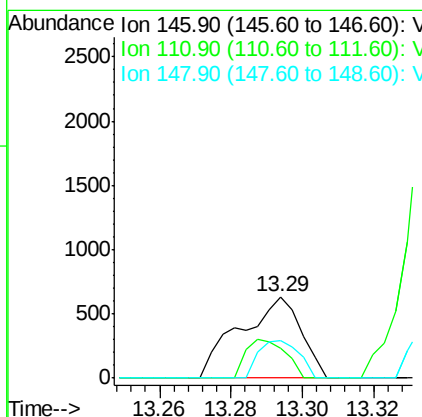
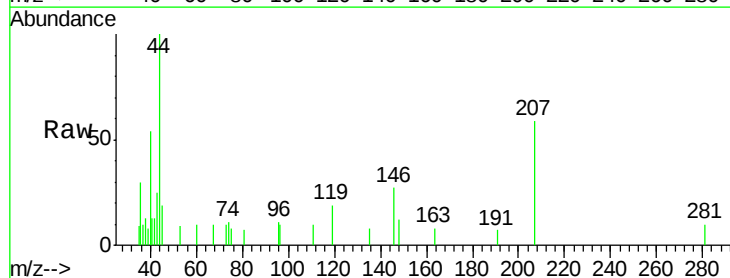
Instrument :
 MSVOA_N
 ClientSampleId :
 PB110744 ZHE#01

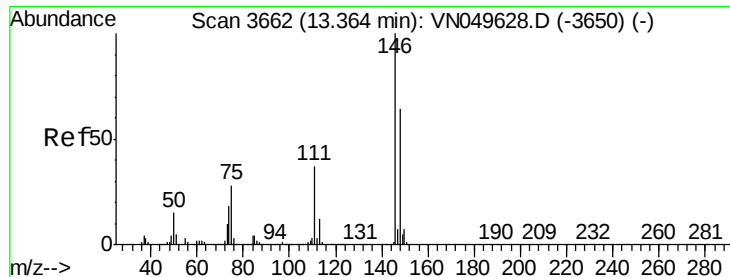
Tot Ion:105 Resp: 11965
 Ion Ratio Lower Upper
 105 100
 120 42.4 22.7 68.1



#87
 1,3-Dichlorobenzene
 Concen: Below Cal
 RT: 13.29 min Scan# 3640
 Delta R.T. 0.01 min
 Lab File: VN049674.D
 Acq: 2 Jul 2018 17:19

Tgt Ion:146 Resp: 754
 Ion Ratio Lower Upper
 146 100
 111 0.0 19.0 57.0#
 148 30.1 32.5 97.5#

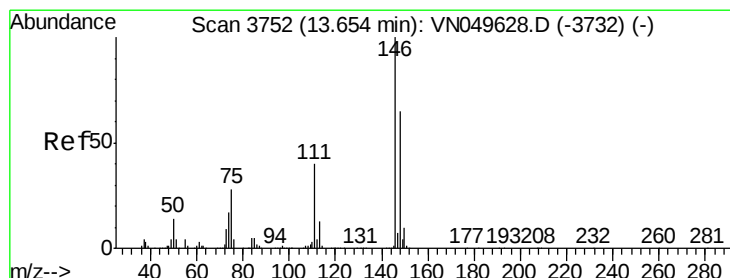
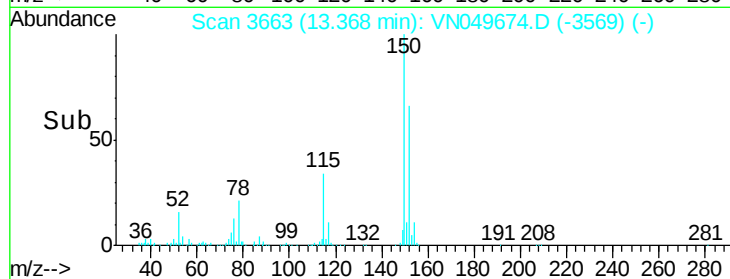
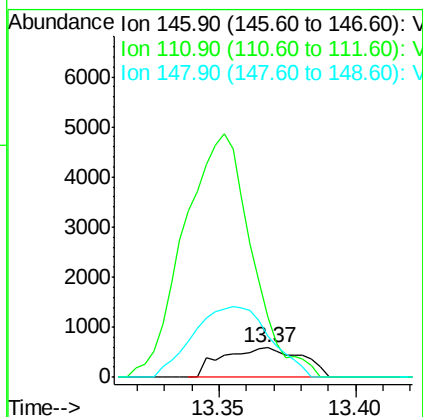
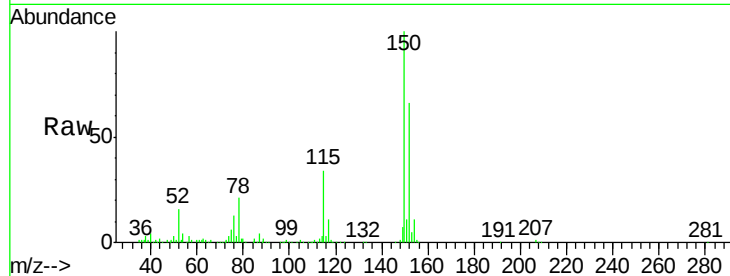




#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 13.37 min Scan# 3663
 Delta R.T. 0.00 min
 Lab File: VN049674.D
 Acq: 2 Jul 2018 17:19

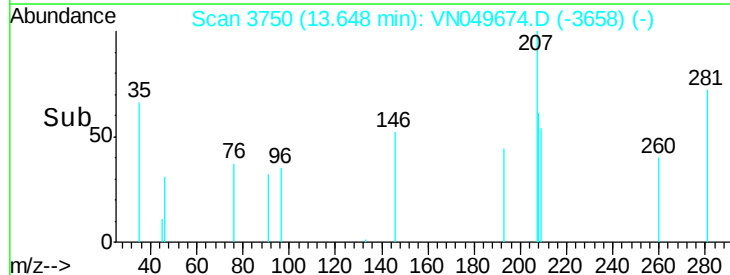
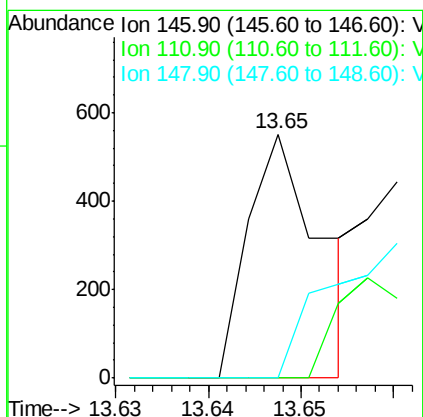
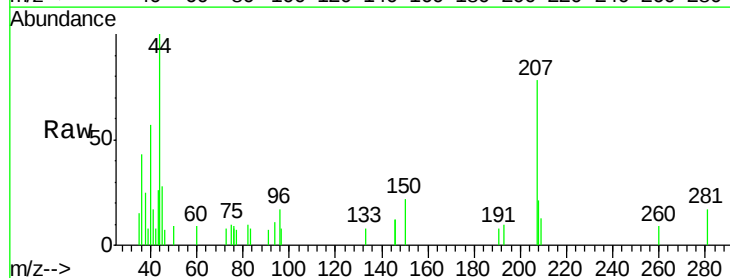
Instrument :
 MSVOA_N
 ClientSampleId :
 PB110744 ZHE#01

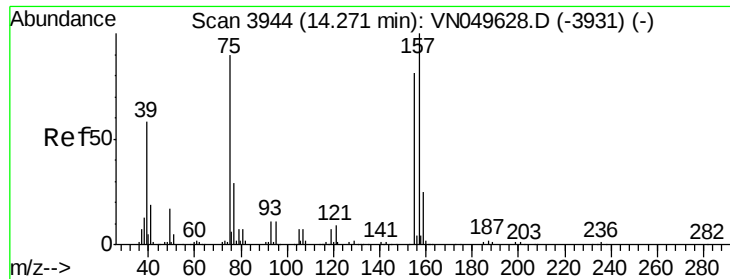
Tot Ion:146 Resp: 1201
 Ion Ratio Lower Upper
 146 100
 111 699.7 18.9 56.5#
 148 230.8 32.1 96.3#



#91
 1,2-Dichlorobenzene
 Concen: Below Cal
 RT: 13.65 min Scan# 3750
 Delta R.T. -0.01 min
 Lab File: VN049674.D
 Acq: 2 Jul 2018 17:19

Tgt Ion:146 Resp: 298
 Ion Ratio Lower Upper
 146 100
 111 0.0 19.7 59.1#
 148 0.0 32.0 96.2#





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.27 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VN049674.D

Acq: 2 Jul 2018 17:19

Instrument :

MSVOA_N

ClientSampleId :

PB110744 ZHE#01

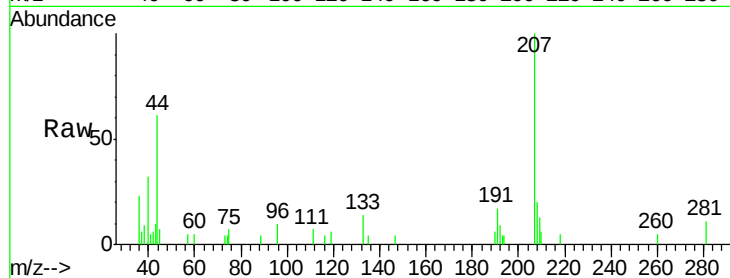
Tot Ion: 75 Resp: 315

Ion Ratio Lower Upper

75 100

155 0.0 45.7 137.1#

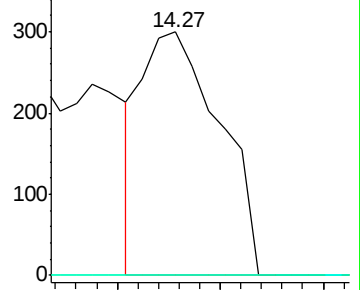
157 0.0 56.9 170.7#



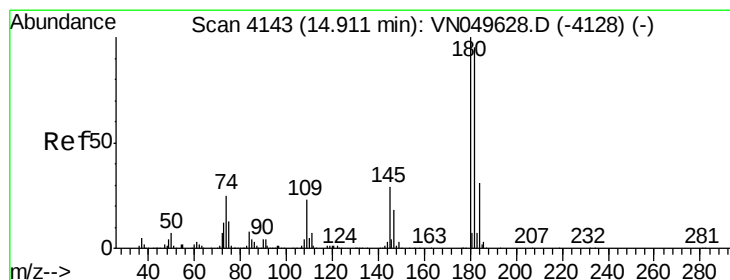
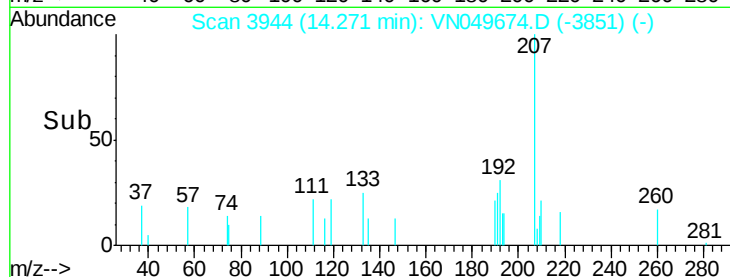
Abundance Ion 74.90 (74.60 to 75.60): VN049628.D (-3931) (-)

Ion 154.80 (154.50 to 155.50): VN049628.D (-3931) (-)

Ion 156.80 (156.50 to 157.50): VN049628.D (-3931) (-)



Time-->



#93

1,2,4-Trichlorobenzene

Concen: 2.43 ug/l

RT: 14.91 min Scan# 4144

Delta R.T. 0.00 min

Lab File: VN049674.D

Acq: 2 Jul 2018 17:19

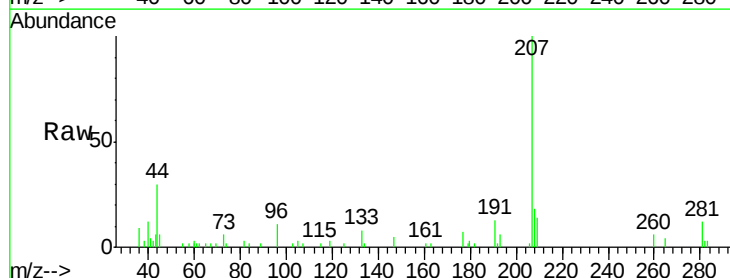
Tgt Ion: 180 Resp: 307

Ion Ratio Lower Upper

180 100

182 48.9 47.3 141.9

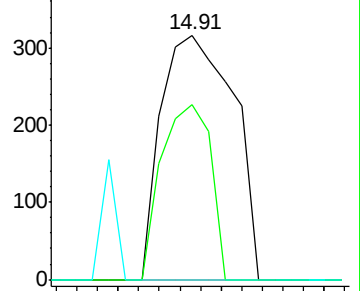
145 9.8 14.4 43.0#



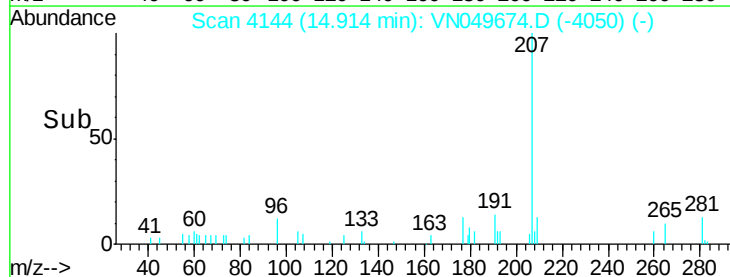
Abundance Ion 179.80 (179.50 to 180.50): VN049628.D (-4128) (-)

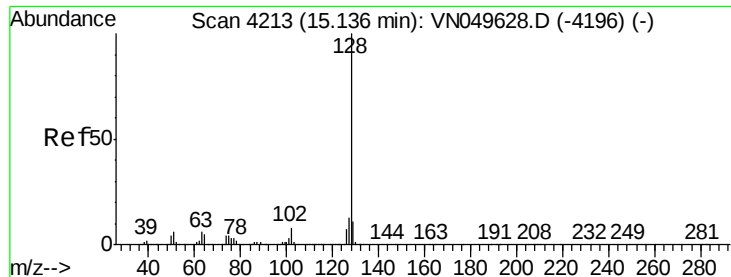
Ion 181.80 (181.50 to 182.50): VN049628.D (-4128) (-)

Ion 144.80 (144.50 to 145.50): VN049628.D (-4128) (-)



Time-->





#95

Naphthalene

Concen: 4.18 ug/l

RT: 15.14 min Scan# 4214

Delta R.T. 0.00 min

Lab File: VN049674.D

Acq: 2 Jul 2018 17:19

Instrument :

MSVOA_N

ClientSampled :

PB110744 ZHE#01

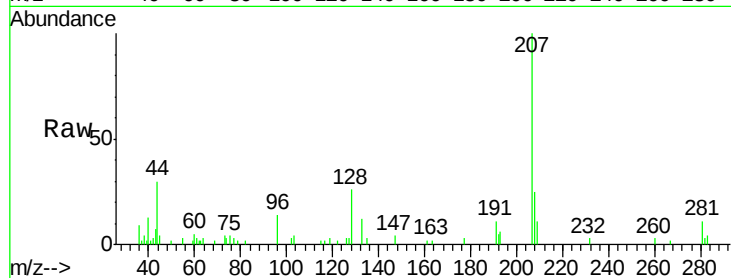
Tot Ion:128 Resp: 4358

Ion Ratio Lower Upper

128 100

127 13.4 10.4 15.6

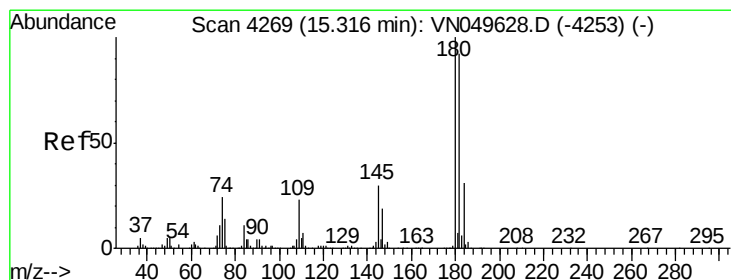
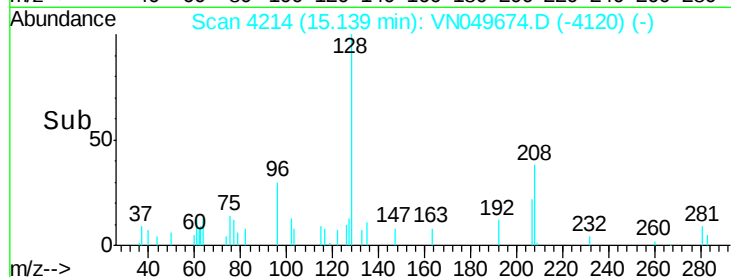
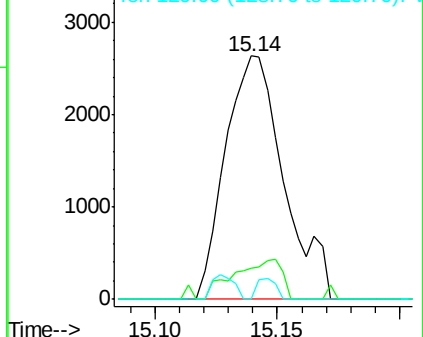
129 2.7 8.6 13.0#



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: 1.66 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN049674.D

Acq: 2 Jul 2018 17:19

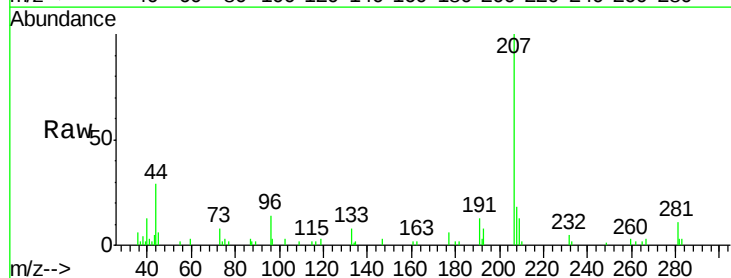
Tgt Ion:180 Resp: 151

Ion Ratio Lower Upper

180 100

182 163.6 47.4 142.2#

145 0.0 15.2 45.6#



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

