

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070518\
 Data File : VN049724.D
 Acq On : 5 Jul 2018 20:00
 Operator : MD\SY
 Sample : J3854-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 06 02:13:38 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	1153598	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1901329	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1579625	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	703271	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	816597	53.60	ug/l	0.00
Spiked Amount			Recovery	=	107.20%	
35) Dibromofluoromethane	7.59	113	686602	48.30	ug/l	0.00
Spiked Amount			Recovery	=	96.60%	
50) Toluene-d8	10.09	98	2514829	45.20	ug/l	0.00
Spiked Amount			Recovery	=	90.40%	
62) 4-Bromofluorobenzene	12.40	95	764289	40.23	ug/l	0.00
Spiked Amount			Recovery	=	80.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	5033	0.31	ug/l #	87
5) Bromomethane	2.57	94	2474	0.27	ug/l #	80
11) Tert butyl alcohol	4.79	59	702	0.80	ug/l	96
13) Acrolein	3.61	56	947	1.16	ug/l	95
16) Acetone	3.83	43	43089	6.29	ug/l	96
17) Carbon Disulfide	4.05	76	4423	Below	Cal	95
18) Methyl Acetate	4.34	43	93480	1.66	ug/l	99
20) Methylene Chloride	4.55	84	1240566	79.08	ug/l	99
25) 2-Butanone	6.85	43	22462	4.44	ug/l	97
29) Tetrahydrofuran	7.22	42	1440	0.45	ug/l #	75
30) Chloroform	7.38	83	12966	0.48	ug/l	99
31) Cyclohexane	7.67	56	23369	0.29	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	81377	3.80	ug/l #	49
37) Ethyl Acetate	6.85	43	22462	1.80	ug/l #	69
38) Carbon Tetrachloride	7.67	117	103573	4.98	ug/l #	17
43) Isopropyl Acetate	8.28	43	716276	28.67	ug/l #	62
47) Bromodichloromethane	9.41	83	4927	0.23	ug/l #	93
51) 4-Methyl-2-Pentanone	9.99	43	3214	0.26	ug/l	92
52) Toluene	10.16	92	37820	0.96	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.43	63	29	10.82	ug/l #	48
59) 2-Hexanone	10.76	43	8442	1.04	ug/l	87
67) Ethyl Benzene	11.51	91	78448	1.15	ug/l	96
68) m/p-Xylenes	11.62	106	64261	2.46	ug/l	98
69) o-Xylene	11.95	106	26031	1.04	ug/l	98
70) Styrene	11.97	104	29642	0.73	ug/l	94
71) Bromoform	12.41	173	6273	0.64	ug/l #	1
73) Isopropylbenzene	12.25	105	12023	0.21	ug/l	94
74) N-amyl acetate	12.03	43	6109	0.40	ug/l #	51
75) 1,1,2,2-Tetrachloroethane	12.53	83	258	Below	Cal #	25
76) 1,2,3-Trichloropropane	12.40	75	371720	32.96	ug/l #	100
78) n-propylbenzene	12.59	91	31099	0.48	ug/l	100
79) 2-Chlorotoluene	12.66	91	13427	0.33	ug/l #	40
80) 1,3,5-Trimethylbenzene	12.73	105	50807	1.09	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.40	75	371720	111.94	ug/l #	13

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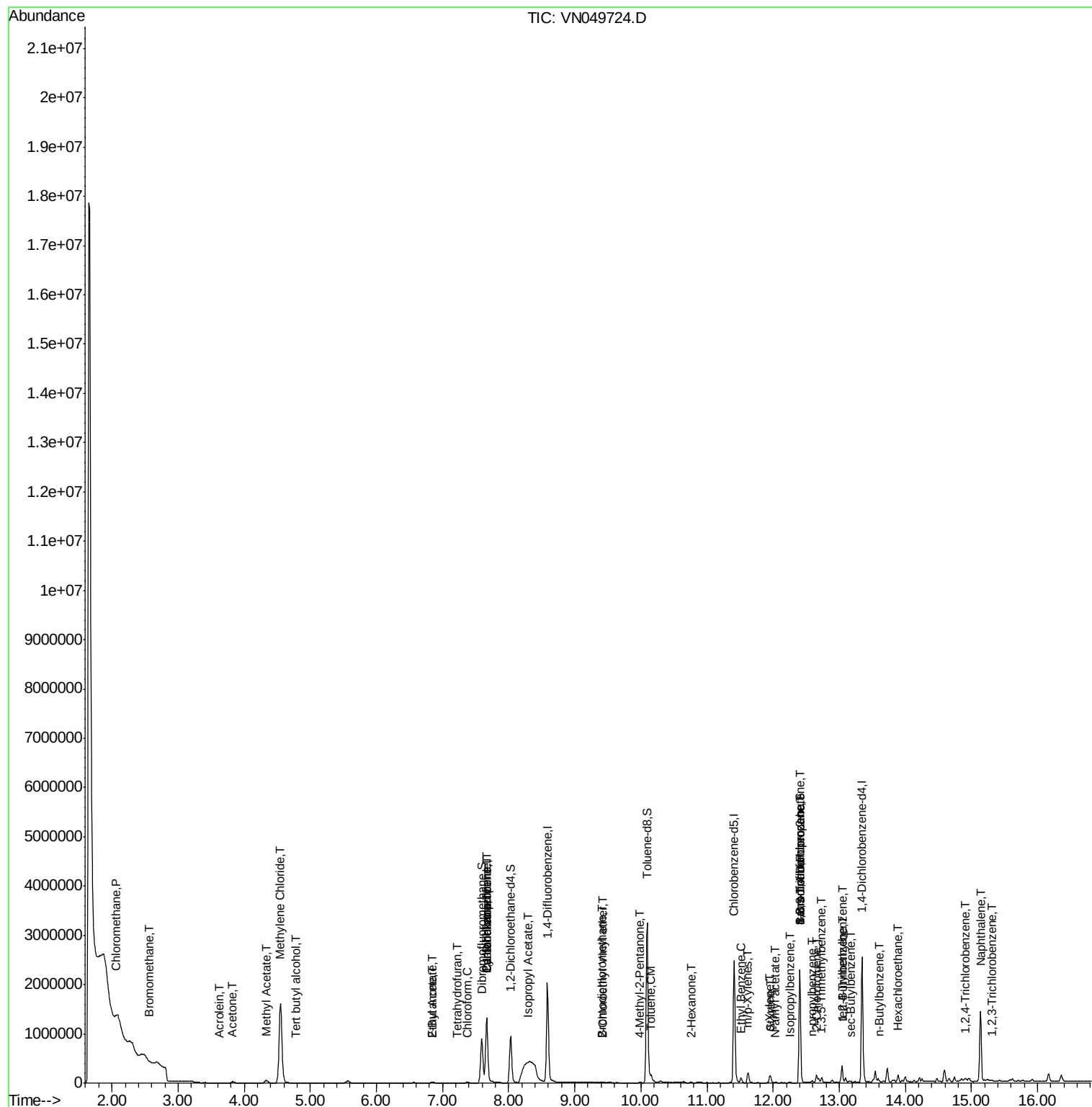
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
83) tert-Butylbenzene	13.04	119	26787	0.67	ug/l #	74
84) 1,2,4-Trimethylbenzene	13.04	105	195789	4.09	ug/l	96
85) sec-Butylbenzene	13.17	105	12986	0.25	ug/l	81
87) 1,3-Dichlorobenzene	13.28	146	773	Below Cal	#	57
88) 1,4-Dichlorobenzene	13.37	146	2068	Below Cal	#	25
89) n-Butylbenzene	13.62	91	11073	0.28	ug/l #	81
90) Hexachloroethane	13.89	117	9926	2.06	ug/l #	4
91) 1,2-Dichlorobenzene	13.65	146	4854	Below Cal		94
92) 1,2-Dibromo-3-Chloropropan	14.25	75	683	Below Cal	#	1
93) 1,2,4-Trichlorobenzene	14.91	180	20032	3.88	ug/l #	88
95) Naphthalene	15.14	128	1252933	44.36	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	4026	1.96	ug/l #	81

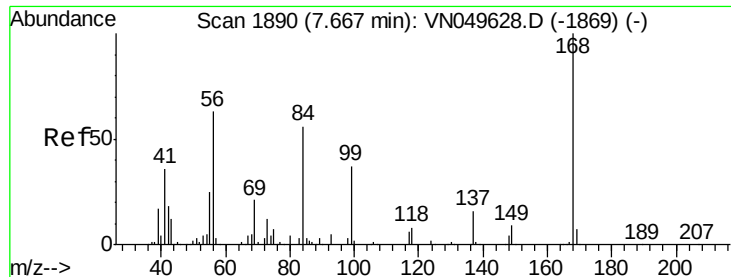
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN049724.D

Acq: 5 Jul 2018 20:00

Instrument :

MSVOA_N

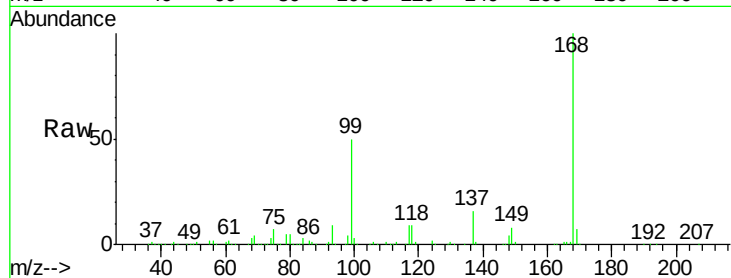
ClientSampled :

Tot Ion:168 Resp: 1153598

Ion Ratio Lower Upper

168 100

99 49.7 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

500000

400000

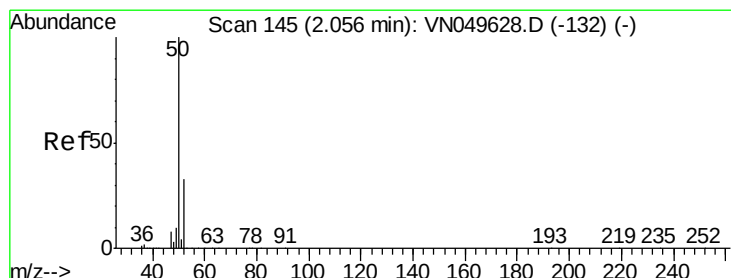
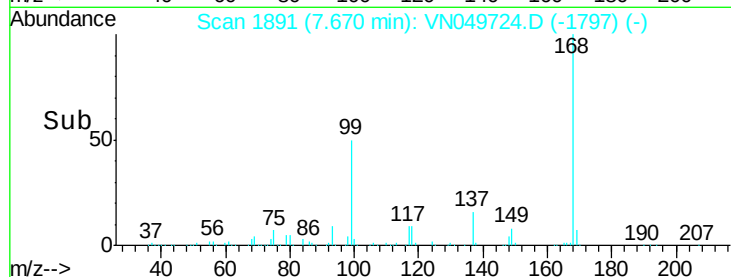
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 0.31 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049724.D

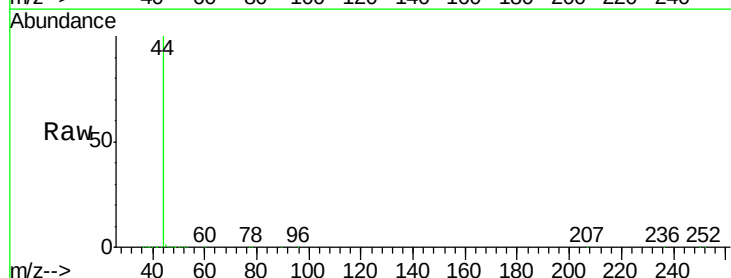
Acq: 5 Jul 2018 20:00

Tgt Ion: 50 Resp: 5033

Ion Ratio Lower Upper

50 100

52 39.7 26.1 39.1#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.06

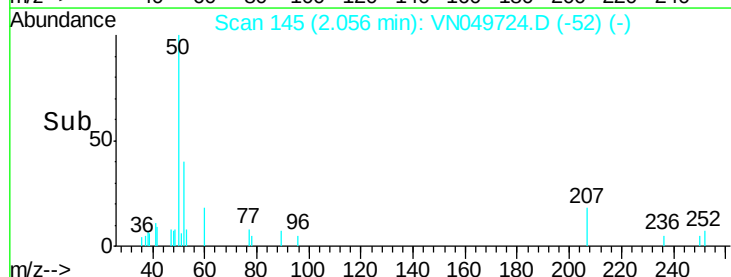
3000

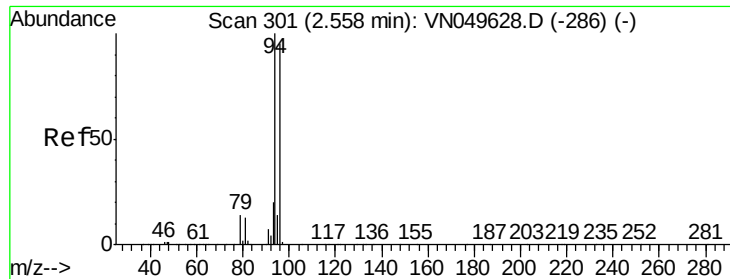
2000

1000

0

Time-->





#5

Bromomethane

Concen: 0.27 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN049724.D

Acq: 5 Jul 2018 20:00

Instrument :

MSVOA_N

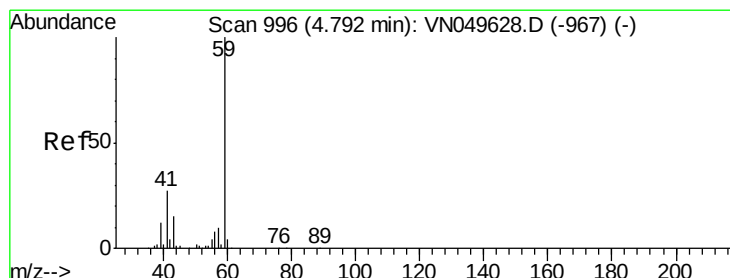
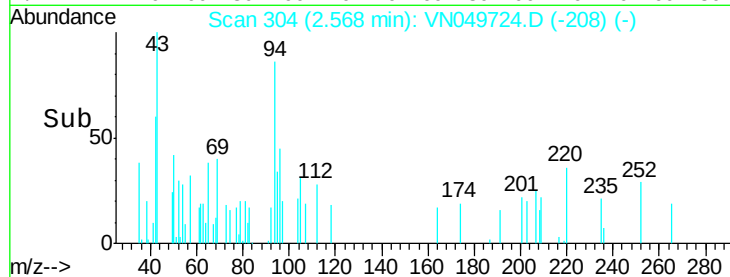
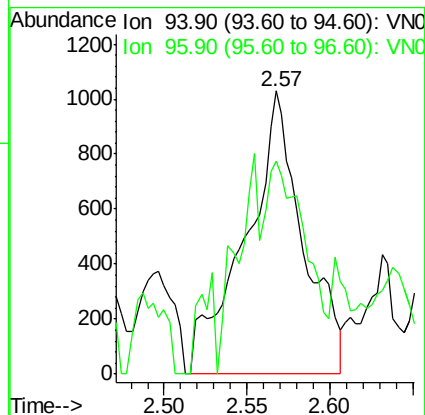
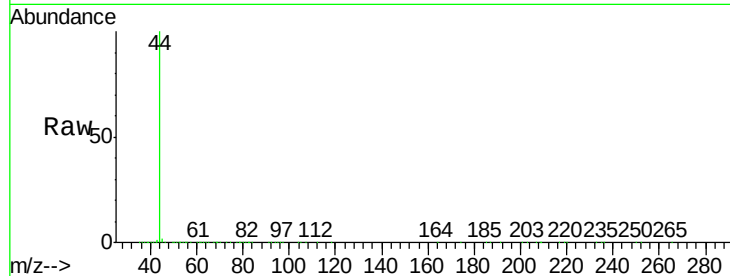
ClientSampled :

Tot Ion: 94 Resp: 2474

Ion Ratio Lower Upper

94 100

96 75.1 75.7 113.5#



#11

Tert butyl alcohol

Concen: 0.80 ug/l

RT: 4.79 min Scan# 995

Delta R.T. -0.00 min

Lab File: VN049724.D

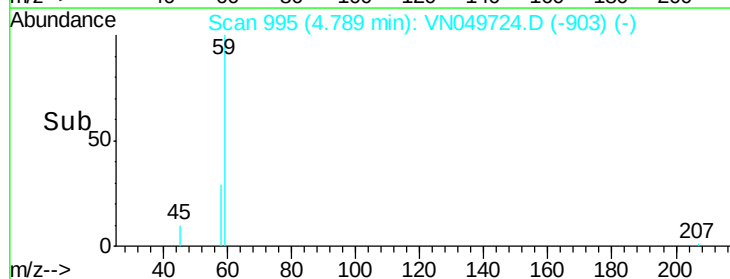
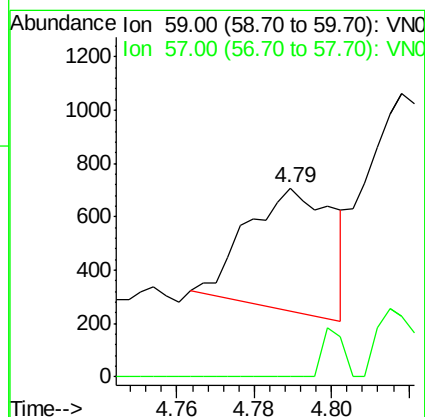
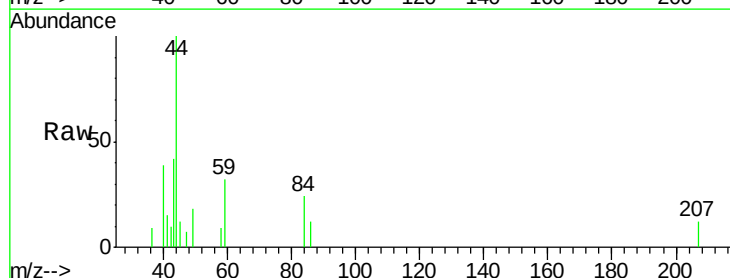
Acq: 5 Jul 2018 20:00

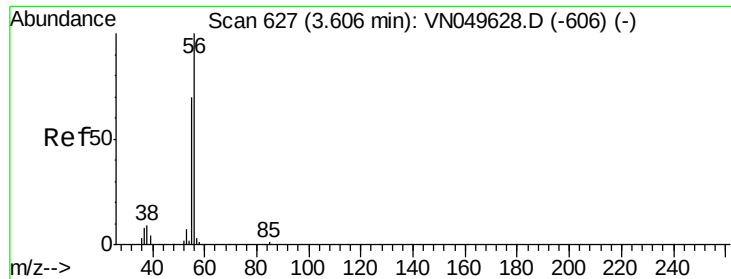
Tgt Ion: 59 Resp: 702

Ion Ratio Lower Upper

59 100

57 9.3 8.5 12.7





#13

Acrolein

Concen: 1.16 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN049724.D

Acq: 5 Jul 2018 20:00

Instrument :

MSVOA_N

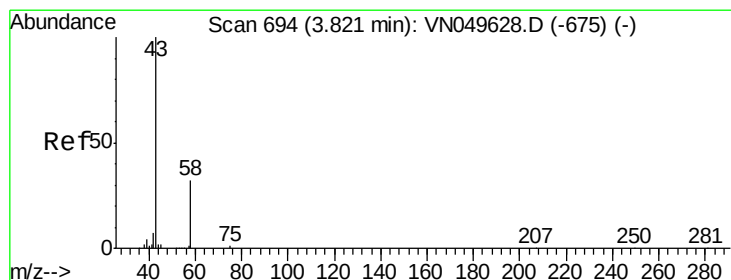
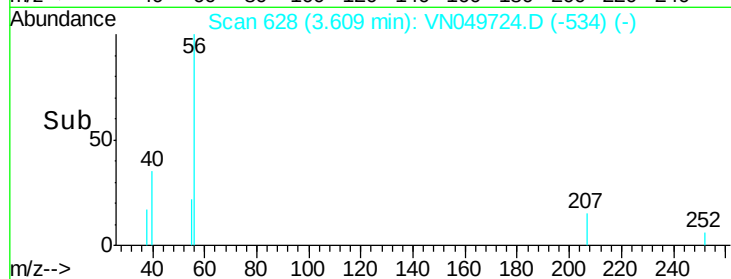
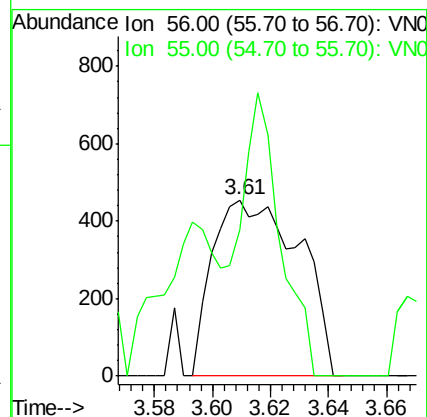
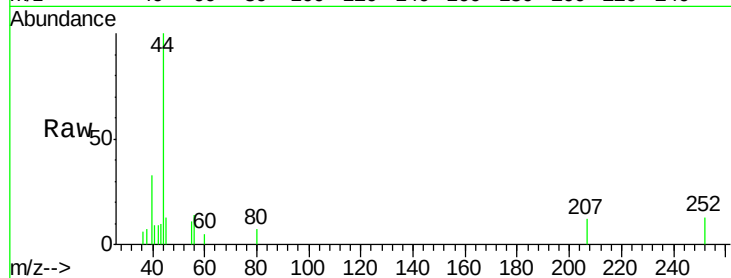
ClientSampled :

Tot Ion: 56 Resp: 947

Ion Ratio Lower Upper

56 100

55 73.8 55.8 83.8



#16

Acetone

Concen: 6.29 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.01 min

Lab File: VN049724.D

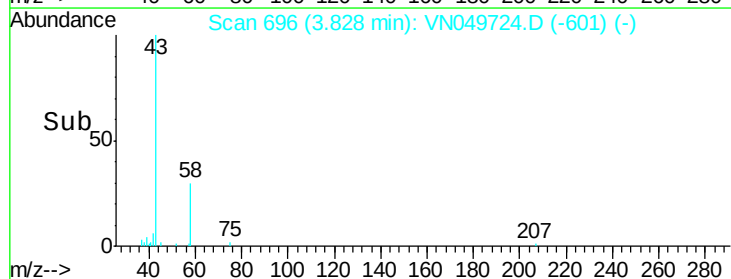
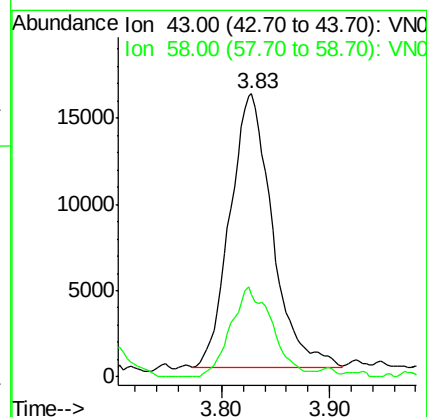
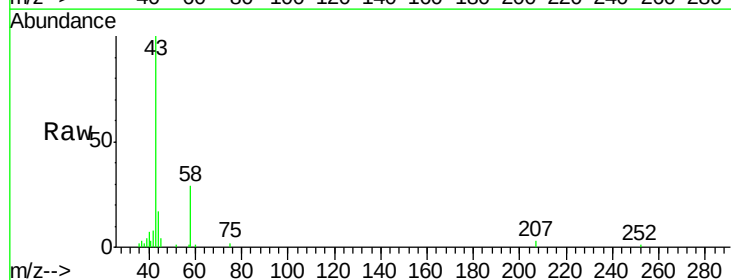
Acq: 5 Jul 2018 20:00

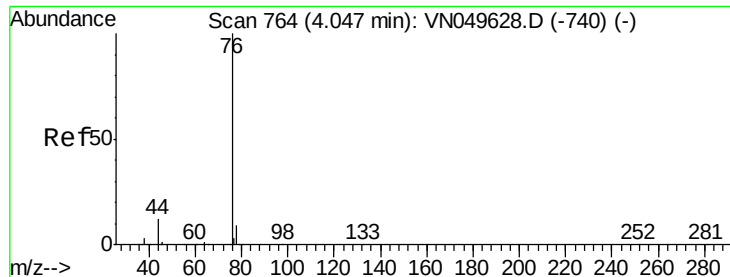
Tgt Ion: 43 Resp: 43089

Ion Ratio Lower Upper

43 100

58 30.1 25.9 38.9





#17

Carbon Disulfide

Concen: Below Cal

RT: 4.05 min Scan# 766

Delta R.T. 0.01 min

Lab File: VN049724.D

Acq: 5 Jul 2018 20:00

Instrument :

MSVOA_N

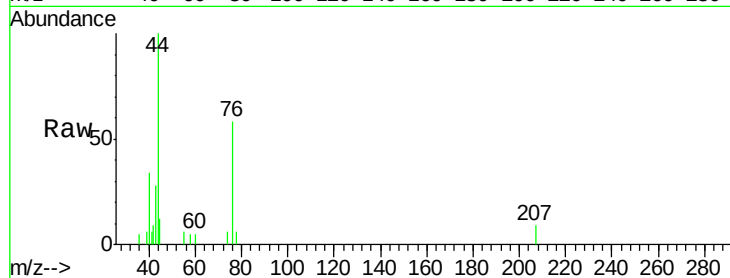
ClientSampled :

Tot Ion: 76 Resp: 4423

Ion Ratio Lower Upper

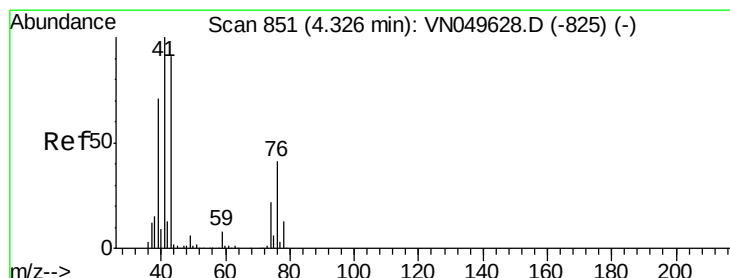
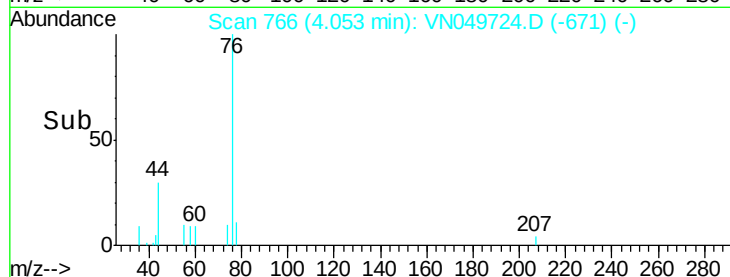
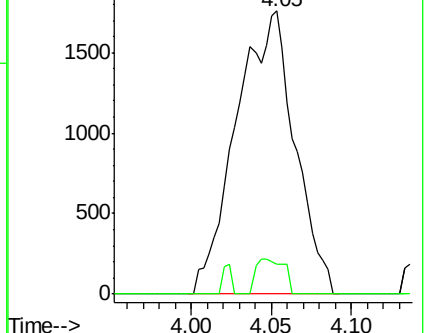
76 100

78 10.6 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN049724.D (-740) (-)

Ion 77.90 (77.60 to 78.60): VN049724.D (-740) (-)



#18

Methyl Acetate

Concen: 1.66 ug/l

RT: 4.34 min Scan# 854

Delta R.T. 0.01 min

Lab File: VN049724.D

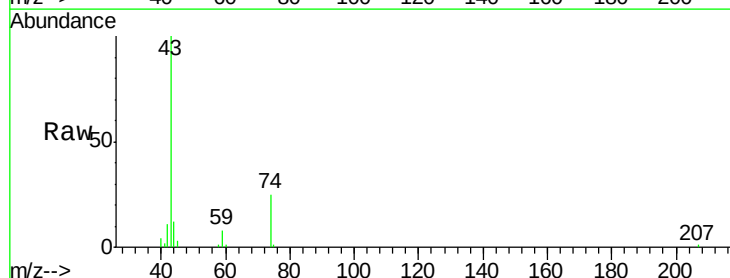
Acq: 5 Jul 2018 20:00

Tgt Ion: 43 Resp: 93480

Ion Ratio Lower Upper

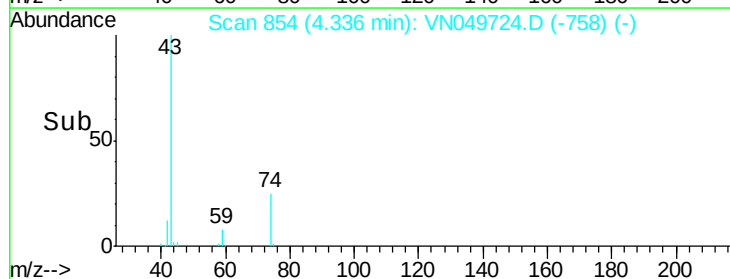
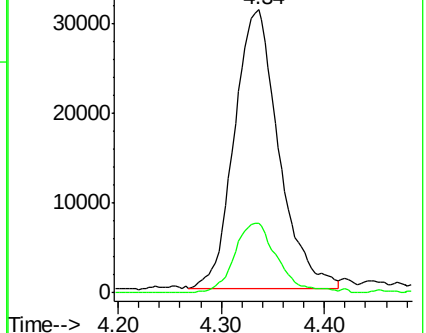
43 100

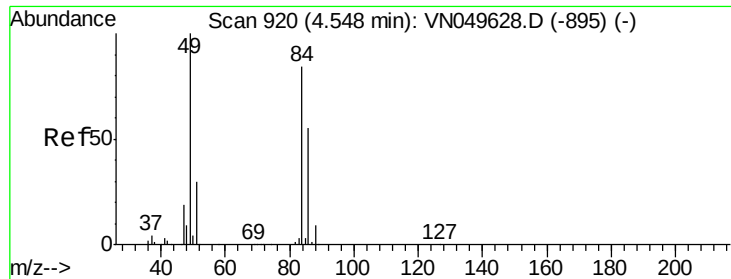
74 24.2 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VN049724.D (-758) (-)

Ion 74.00 (73.70 to 74.70): VN049724.D (-758) (-)

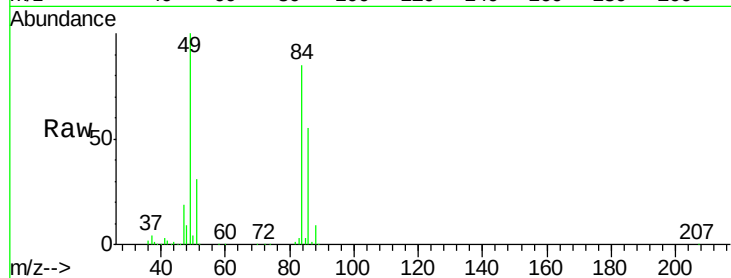




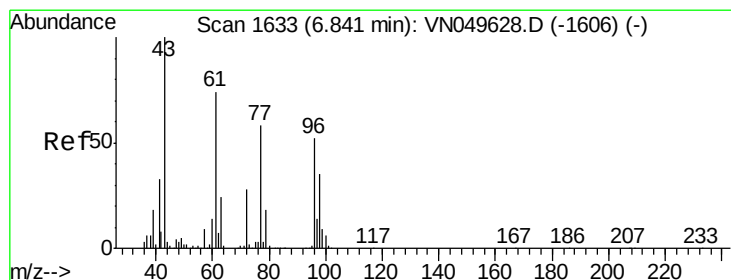
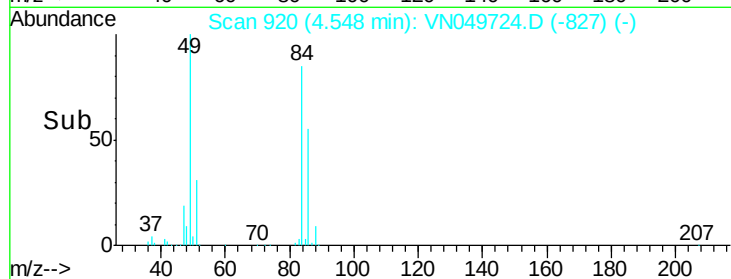
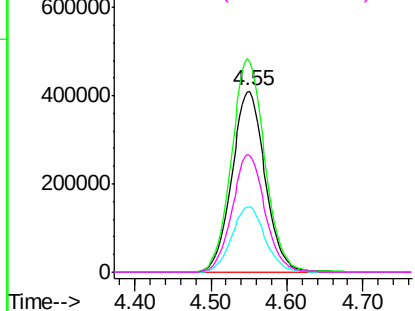
#20
Methylene Chloride
Concen: 79.08 ug/l
RT: 4.55 min Scan# 920
Delta R.T. 0.00 min
Lab File: VN049724.D
Acq: 5 Jul 2018 20:00

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 84 Resp: 1240566
Ion Ratio Lower Upper
84 100
49 118.1 95.4 143.2
51 36.1 28.4 42.6
86 65.2 52.6 79.0

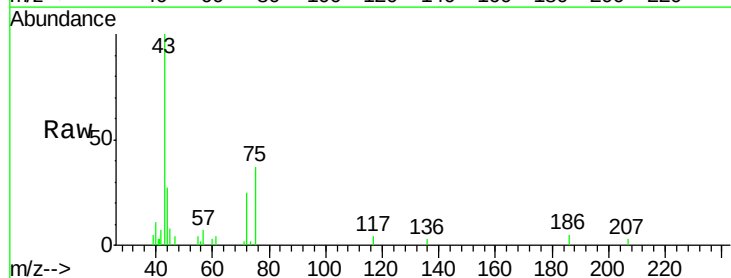


Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

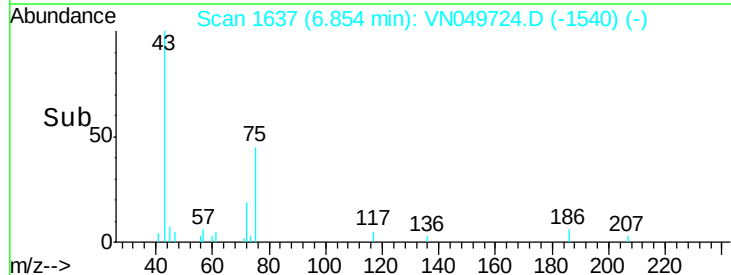
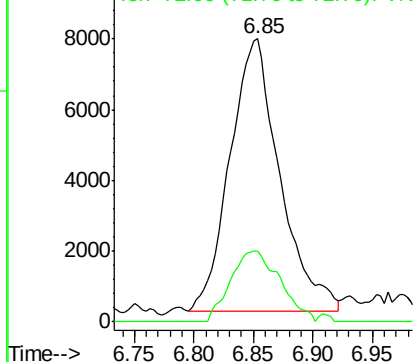


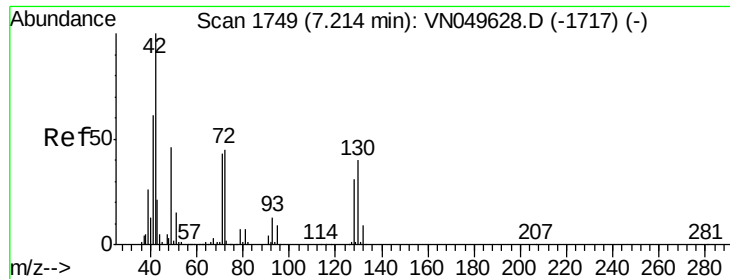
#25
2-Butanone
Concen: 4.44 ug/l
RT: 6.85 min Scan# 1637
Delta R.T. 0.01 min
Lab File: VN049724.D
Acq: 5 Jul 2018 20:00

Tgt Ion: 43 Resp: 22462
Ion Ratio Lower Upper
43 100
72 25.9 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 72.00 (71.70 to 72.70): VN0

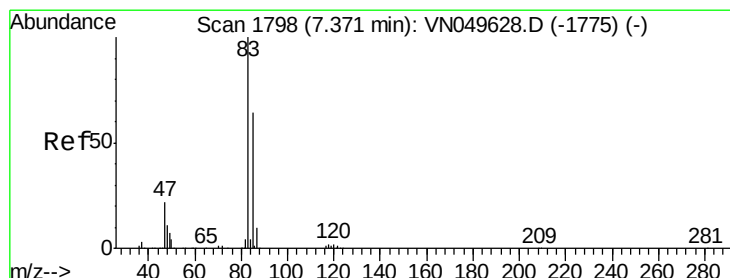
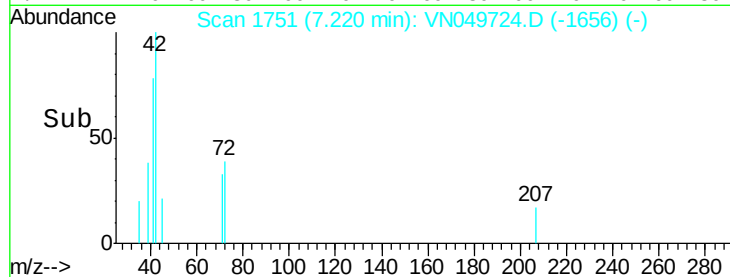
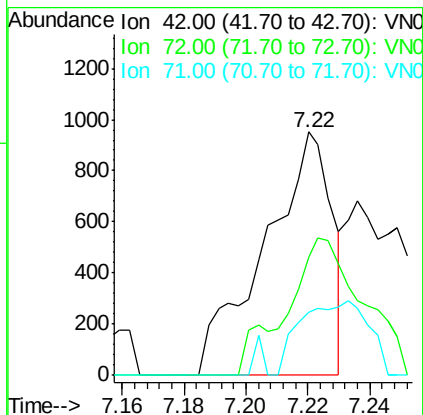
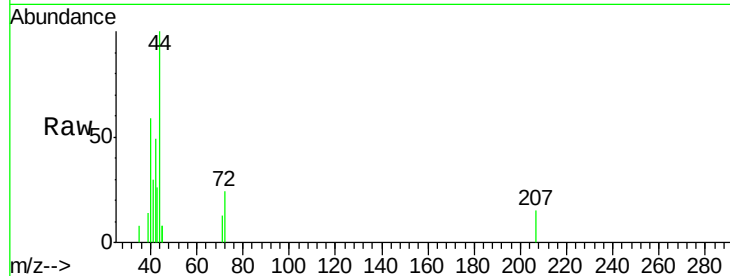




#29
Tetrahydrofuran
Concen: 0.45 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.01 min
Lab File: VN049724.D
Acq: 5 Jul 2018 20:00

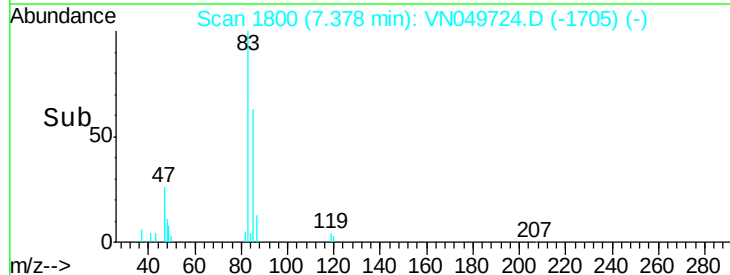
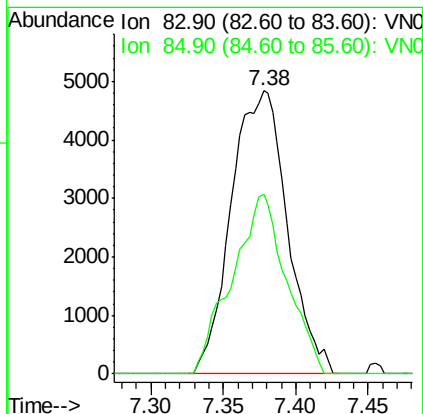
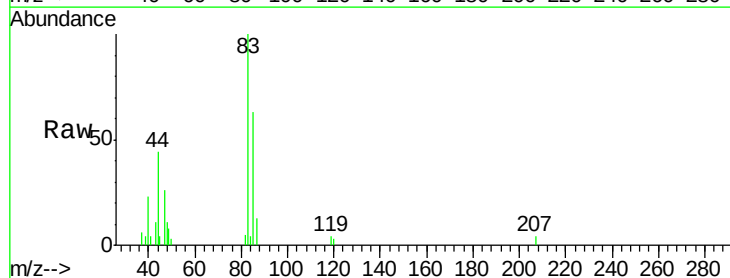
Instrument :
MSVOA_N
ClientSampled :

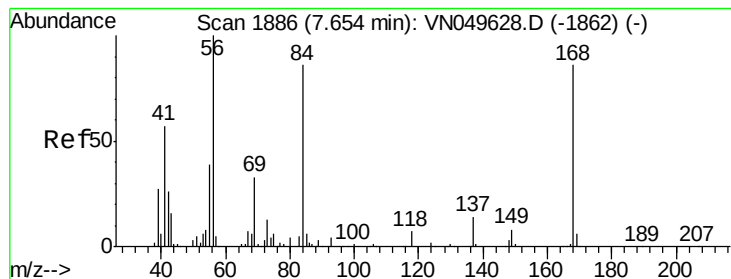
Tot Ion: 42 Resp: 1440
Ion Ratio Lower Upper
42 100
72 64.4 35.6 53.4#
71 30.9 34.0 51.0#



#30
Chloroform
Concen: 0.48 ug/l
RT: 7.38 min Scan# 1800
Delta R.T. 0.01 min
Lab File: VN049724.D
Acq: 5 Jul 2018 20:00

Tgt Ion: 83 Resp: 12966
Ion Ratio Lower Upper
83 100
85 63.4 51.4 77.2





#31

Cyclohexane

Concen: 0.29 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.01 min

Lab File: VN049724.D

Acq: 5 Jul 2018 20:00

Instrument :

MSVOA_N

ClientSampled :

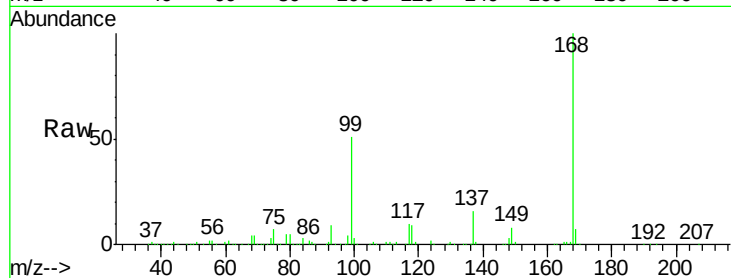
Tot Ion: 56 Resp: 23369

Ion Ratio Lower Upper

56 100

69 178.1 26.6 40.0#

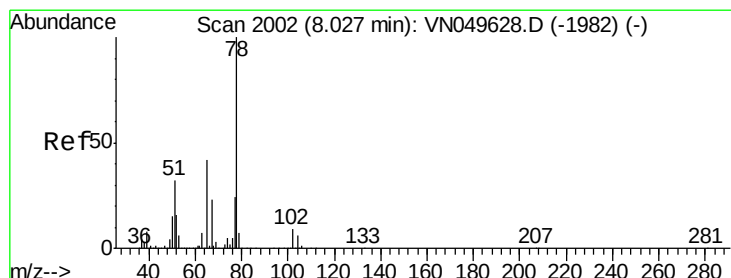
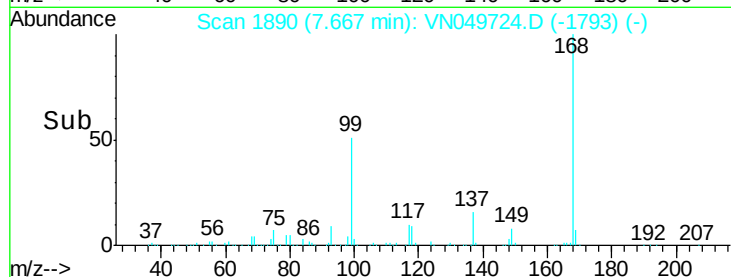
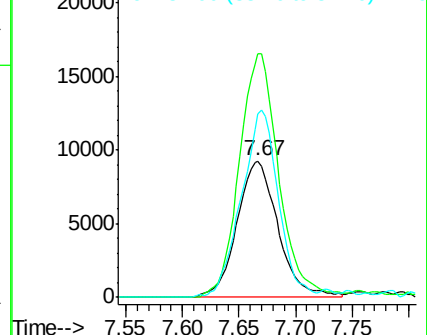
84 134.7 69.0 103.6#



Abundance Ion 56.00 (55.70 to 56.70): VN049724.D (-1793) (-)

Ion 69.00 (68.70 to 69.70): VN049724.D (-1793) (-)

Ion 84.00 (83.70 to 84.70): VN049724.D (-1793) (-)



#33

1,2-Dichloroethane-d4

Concen: 53.60 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN049724.D

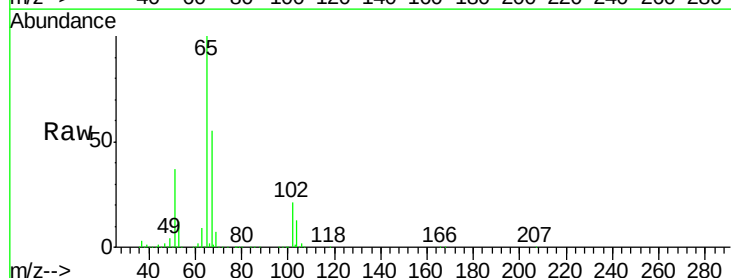
Acq: 5 Jul 2018 20:00

Tgt Ion: 65 Resp: 816597

Ion Ratio Lower Upper

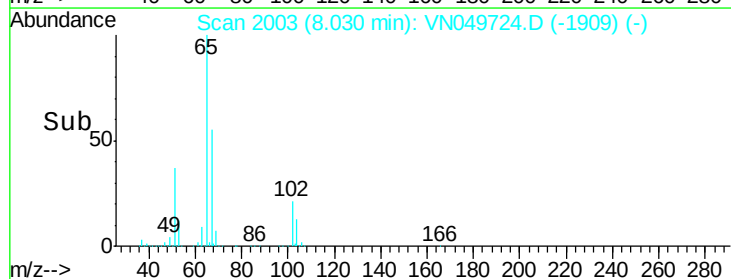
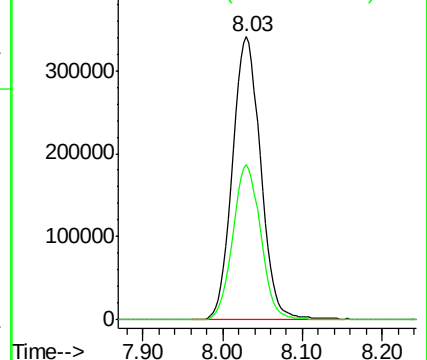
65 100

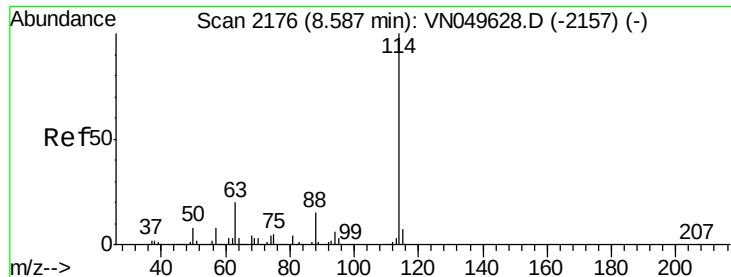
67 54.1 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VN049724.D (-1909) (-)

Ion 66.90 (66.60 to 67.60): VN049724.D (-1909) (-)





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN049724.D

Acq: 5 Jul 2018 20:00

Instrument :

MSVOA_N

ClientSampleId :

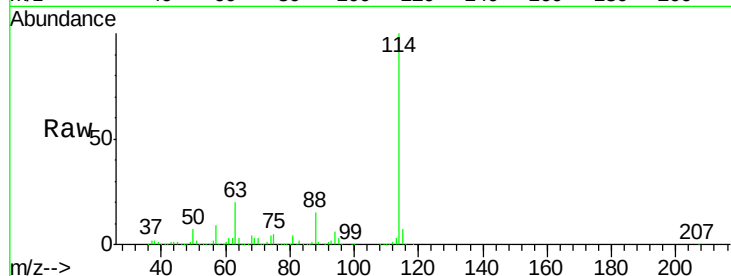
Tot Ion:114 Resp: 1901329

Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.8

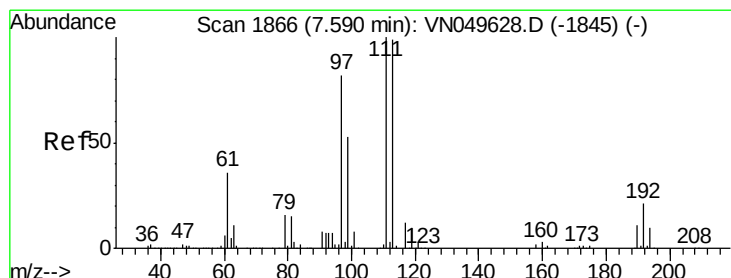
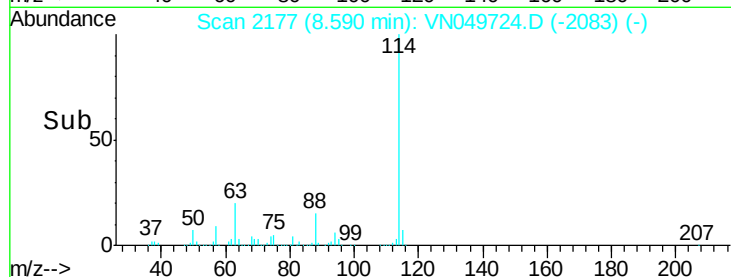
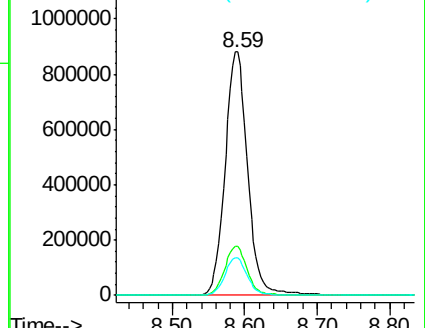
88 15.4 0.0 30.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 48.30 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN049724.D

Acq: 5 Jul 2018 20:00

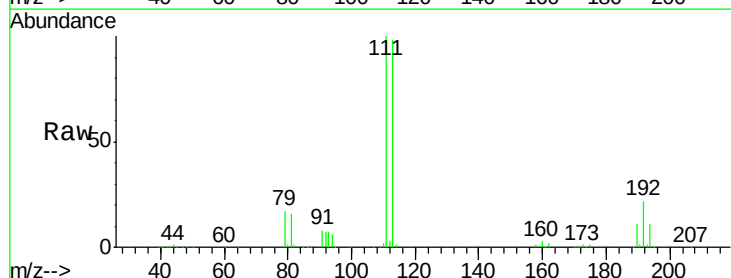
Tgt Ion:113 Resp: 686602

Ion Ratio Lower Upper

113 100

111 101.7 81.8 122.8

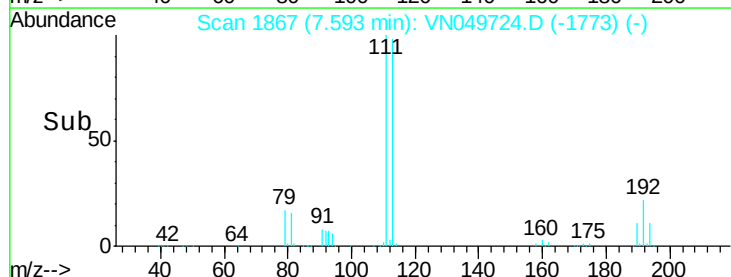
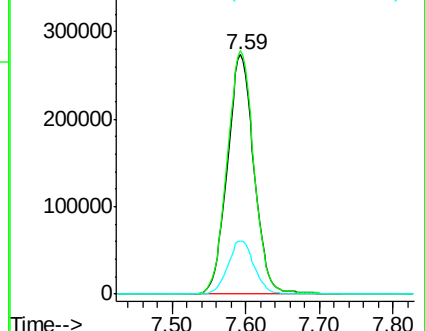
192 21.9 17.8 26.6

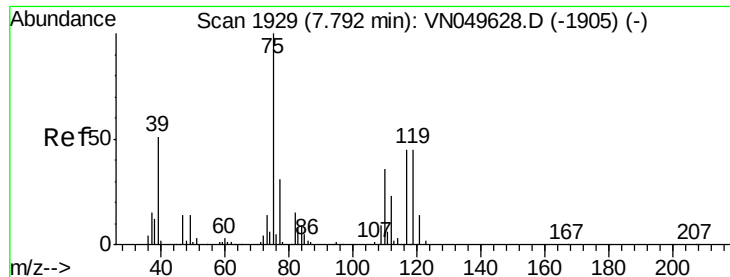


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

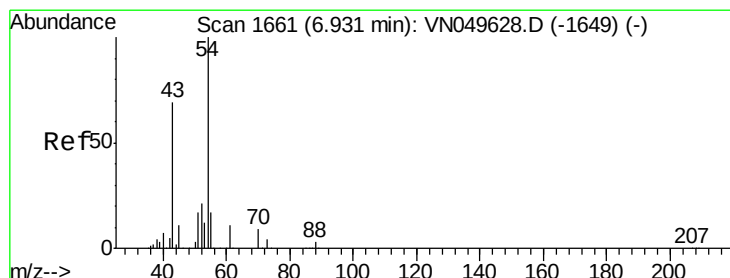
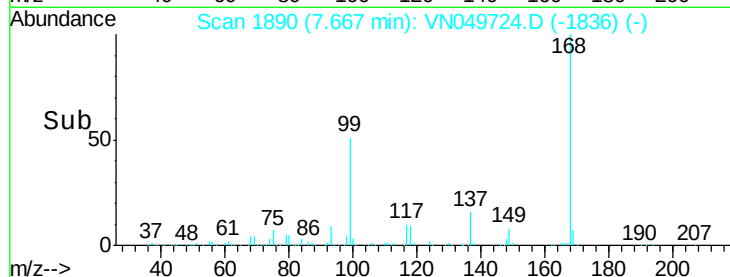
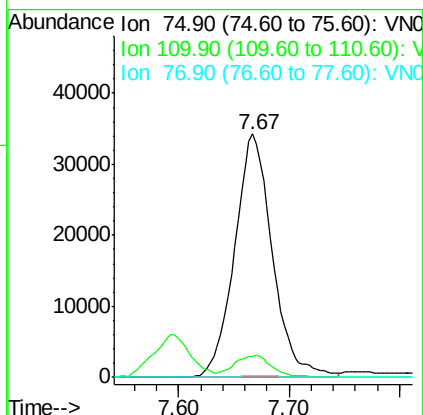
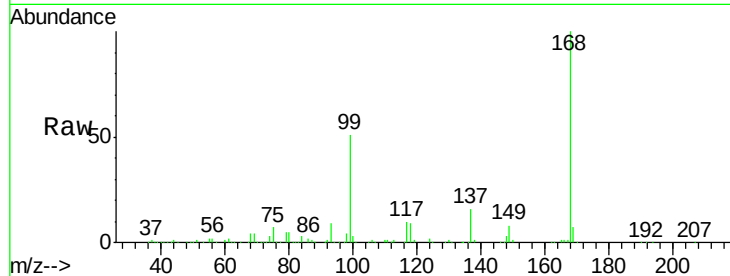




#36
 1,1-Dichloropropene
 Concen: 3.80 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN049724.D
 Acq: 5 Jul 2018 20:00

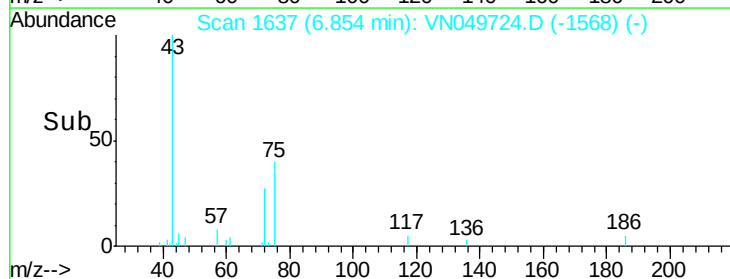
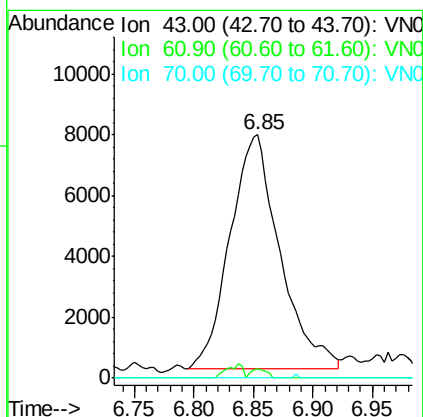
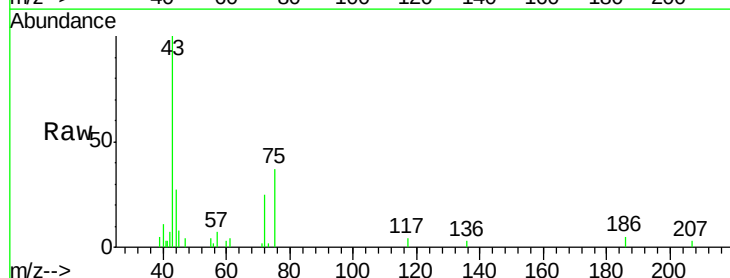
Instrument :
 MSVOA_N
 ClientSampled :

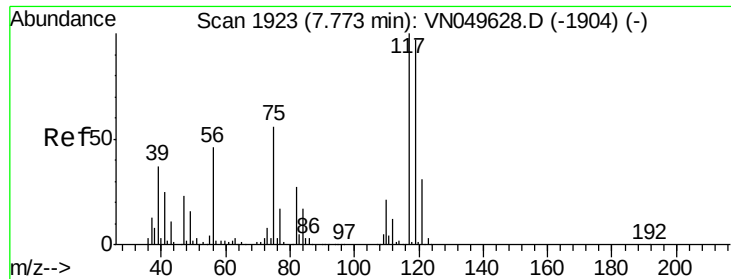
Tot Ion: 75 Resp: 81377
 Ion Ratio Lower Upper
 75 100
 110 7.9 18.1 54.4#
 77 0.6 24.9 37.3#



#37
 Ethyl Acetate
 Concen: 1.80 ug/l
 RT: 6.85 min Scan# 1637
 Delta R.T. -0.08 min
 Lab File: VN049724.D
 Acq: 5 Jul 2018 20:00

Tgt Ion: 43 Resp: 22462
 Ion Ratio Lower Upper
 43 100
 61 1.2 11.7 17.5#
 70 0.0 8.4 12.6#

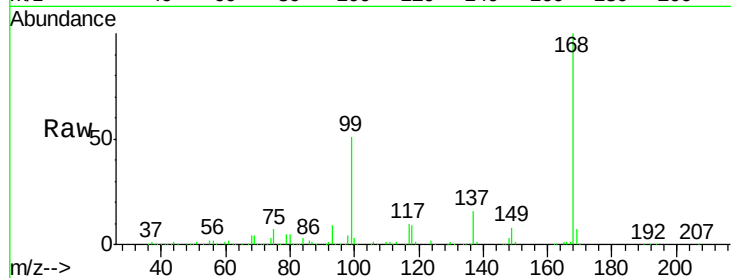




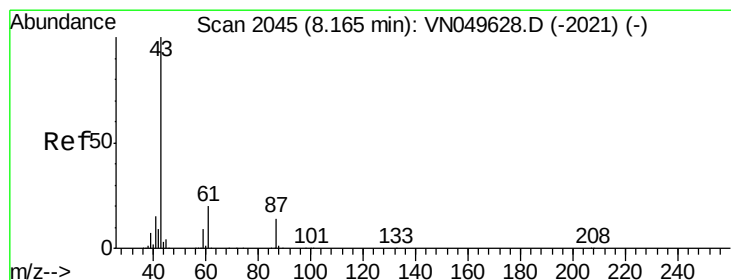
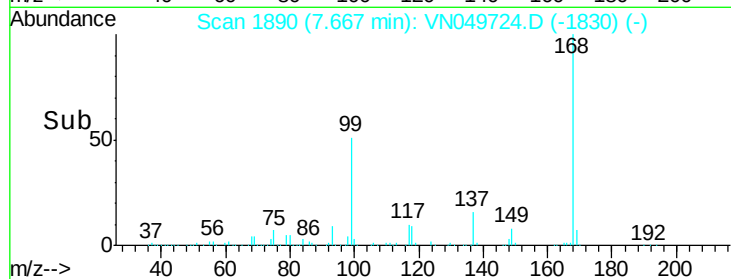
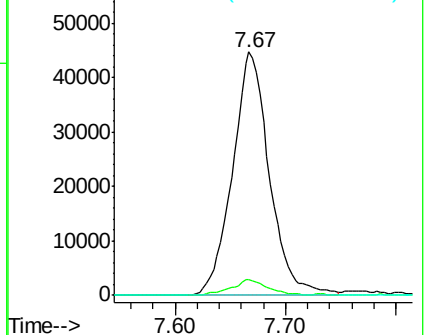
#38
Carbon Tetrachloride
Concen: 4.98 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.11 min
Lab File: VN049724.D
Acq: 5 Jul 2018 20:00

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 103573
Ion Ratio Lower Upper
117 100
119 6.6 77.2 115.8#
121 0.0 25.0 37.6#

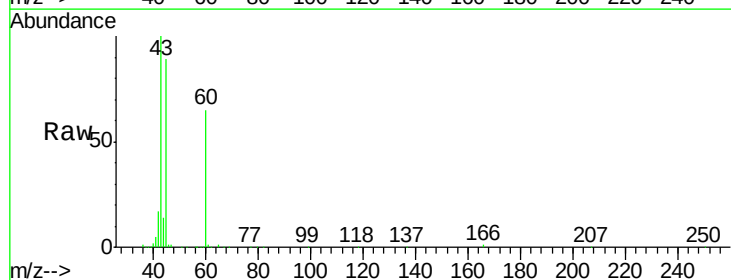


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

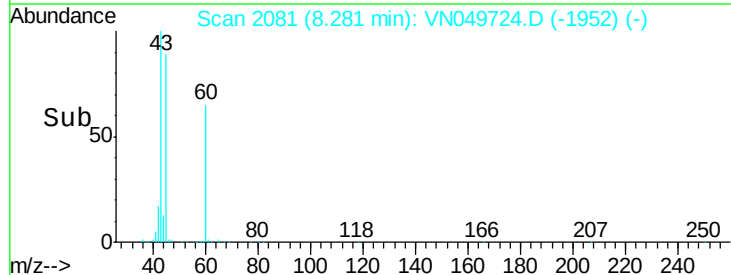
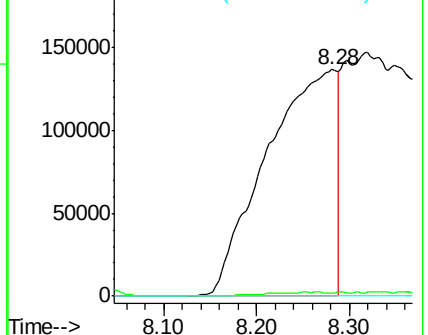


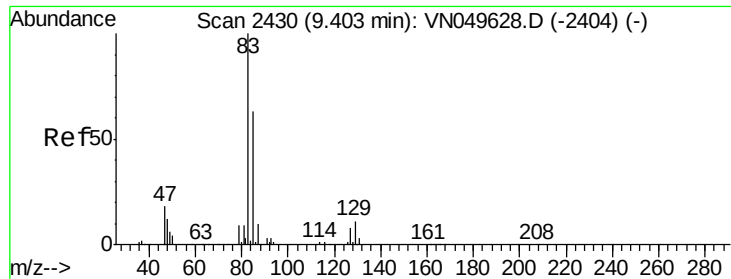
#43
Isopropyl Acetate
Concen: 28.67 ug/l
RT: 8.28 min Scan# 2081
Delta R.T. 0.12 min
Lab File: VN049724.D
Acq: 5 Jul 2018 20:00

Tgt Ion: 43 Resp: 716276
Ion Ratio Lower Upper
43 100
61 0.0 14.9 22.3#
87 0.0 10.0 15.0#



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 61.00 (60.70 to 61.70): V
Ion 87.00 (86.70 to 87.70): V





#47

Bromodichloromethane

Concen: 0.23 ug/l

RT: 9.41 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VN049724.D

Acq: 5 Jul 2018 20:00

Instrument :

MSVOA_N

ClientSampleId :

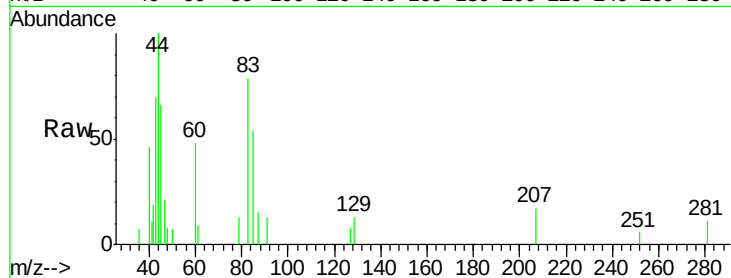
Tot Ion: 83 Resp: 4927

Ion Ratio Lower Upper

83 100

85 68.6 50.5 75.7

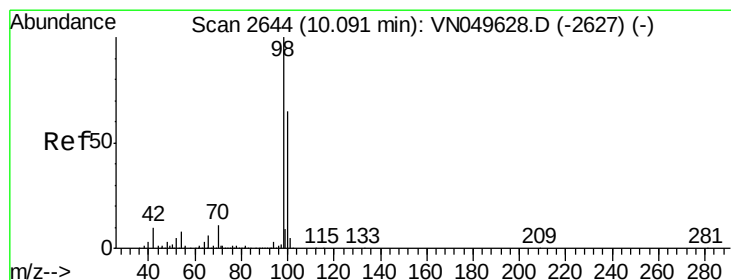
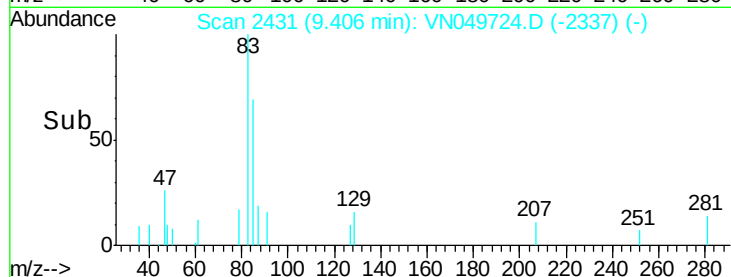
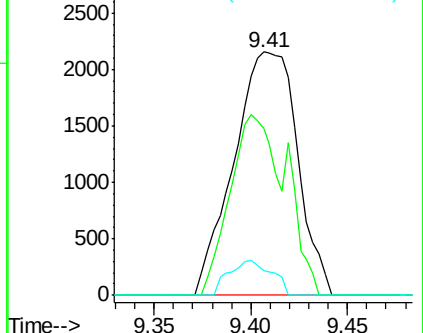
127 10.3 6.8 10.2#



Abundance Ion 82.90 (82.60 to 83.60): VN049628.D (-2404) (-)

Ion 84.90 (84.60 to 85.60): VN049628.D (-2404) (-)

Ion 126.80 (126.50 to 127.50): VN049628.D (-2404) (-)



#50

Toluene-d8

Concen: 45.20 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN049724.D

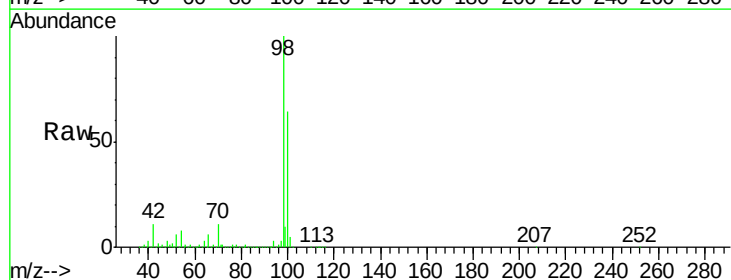
Acq: 5 Jul 2018 20:00

Tgt Ion: 98 Resp: 2514829

Ion Ratio Lower Upper

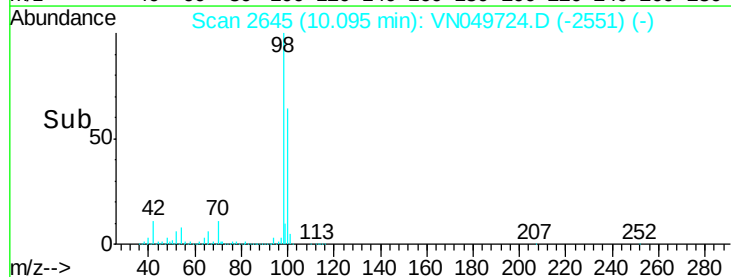
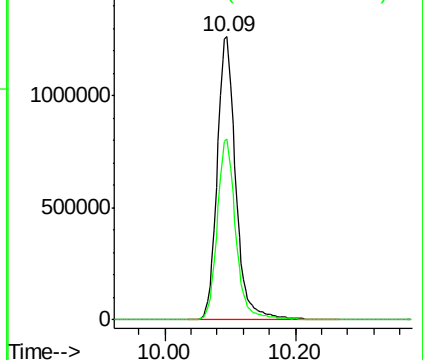
98 100

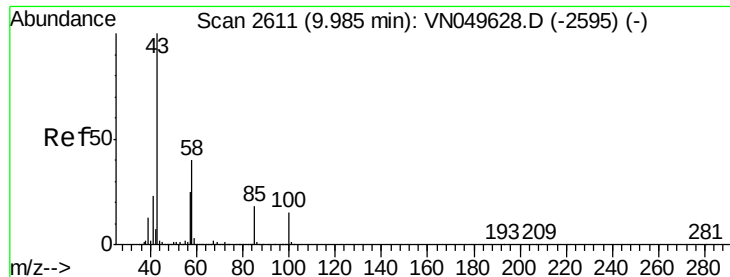
100 63.5 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN049628.D (-2627) (-)

Ion 100.00 (99.70 to 100.70): VN049628.D (-2627) (-)

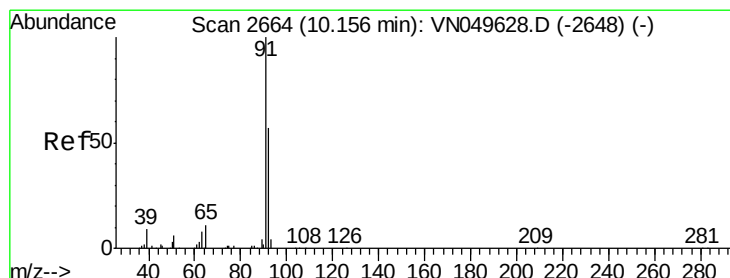
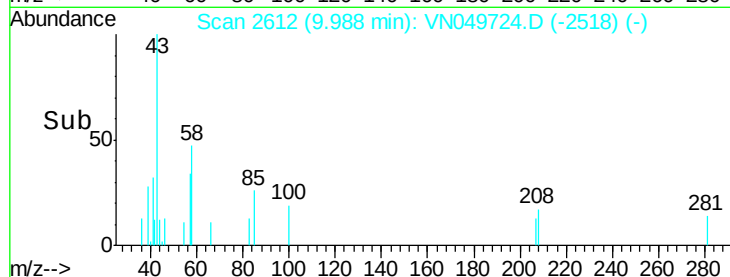
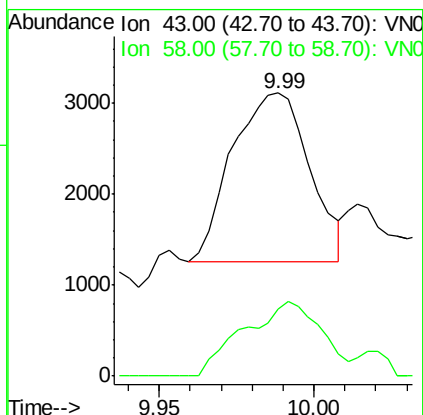
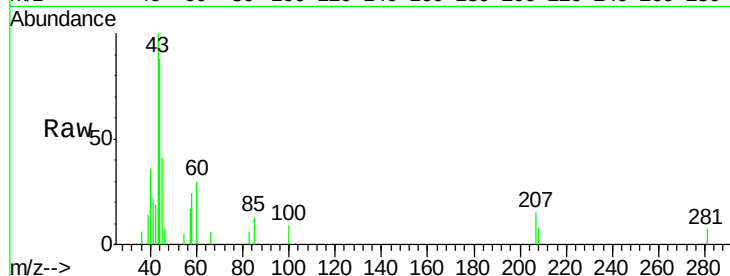




#51
4-Methyl-2-Pentanone
Concen: 0.26 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN049724.D
Acq: 5 Jul 2018 20:00

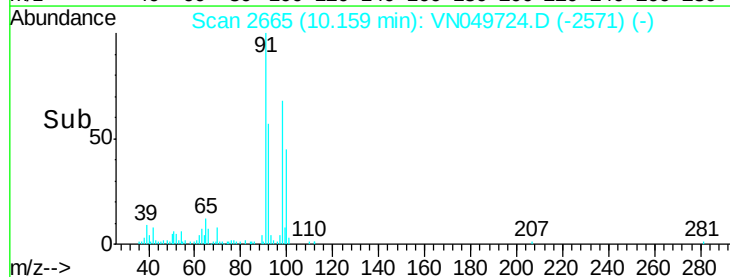
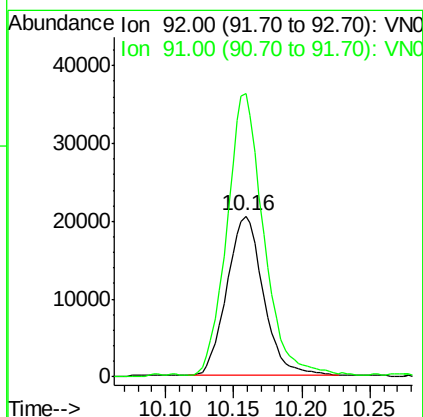
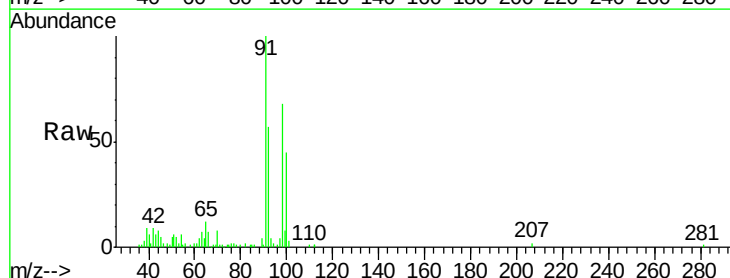
Instrument :
MSVOA_N
ClientSampled :

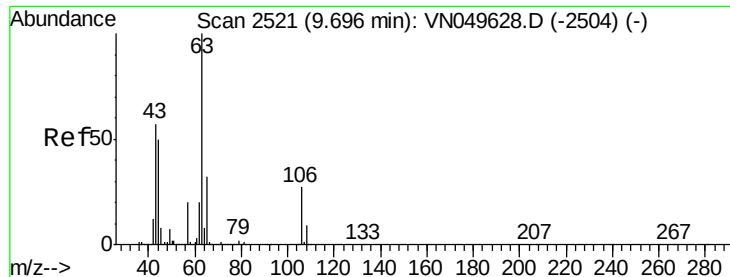
Tot Ion: 43 Resp: 3214
Ion Ratio Lower Upper
43 100
58 44.7 31.8 47.8



#52
Toluene
Concen: 0.96 ug/l
RT: 10.16 min Scan# 2665
Delta R.T. 0.00 min
Lab File: VN049724.D
Acq: 5 Jul 2018 20:00

Tgt Ion: 92 Resp: 37820
Ion Ratio Lower Upper
92 100
91 179.9 140.1 210.1





#58

2-Chloroethyl Vinyl ether

Concen: 10.82 ug/l

RT: 9.43 min Scan# 2439

Delta R.T. -0.26 min

Lab File: VN049724.D

Acq: 5 Jul 2018 20:00

Instrument :

MSVOA_N

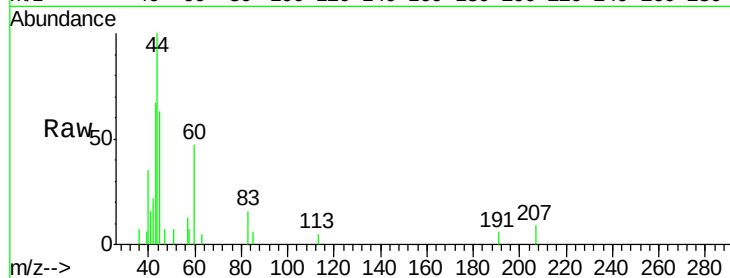
ClientSampleId :

Tot Ion: 63 Resp: 29

Ion Ratio Lower Upper

63 100

106 0.0 21.8 32.8#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): VN0

9.43

150

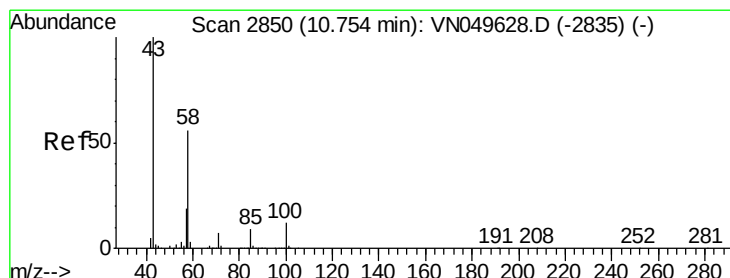
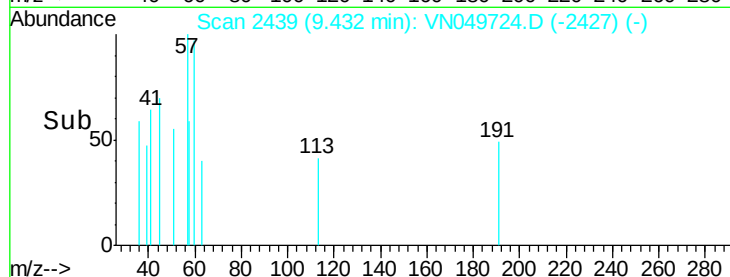
100

50

0

9.42 9.43 9.43 9.44 9.44

Time-->



#59

2-Hexanone

Concen: 1.04 ug/l

RT: 10.76 min Scan# 2851

Delta R.T. 0.00 min

Lab File: VN049724.D

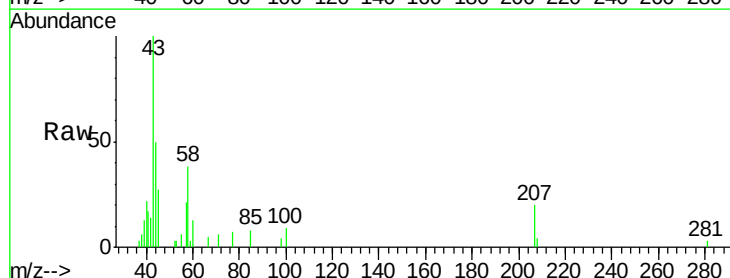
Acq: 5 Jul 2018 20:00

Tgt Ion: 43 Resp: 8442

Ion Ratio Lower Upper

43 100

58 45.9 27.8 83.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10.76

6000

5000

4000

3000

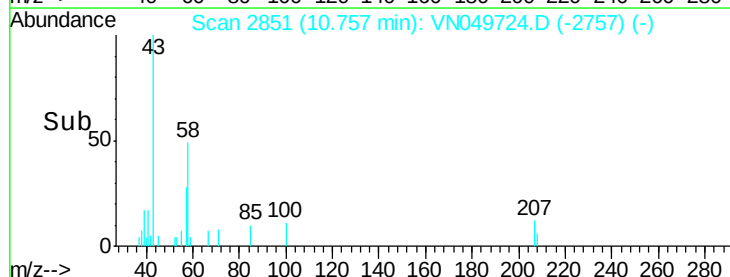
2000

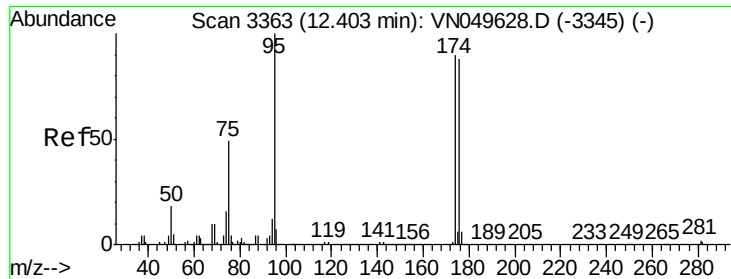
1000

0

10.70 10.75 10.76 10.80

Time-->

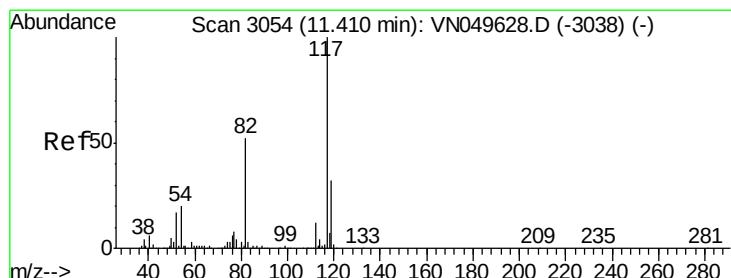
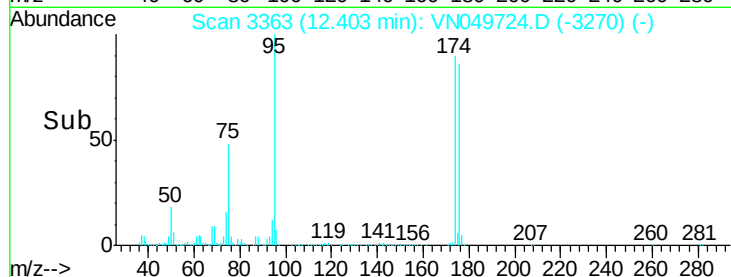
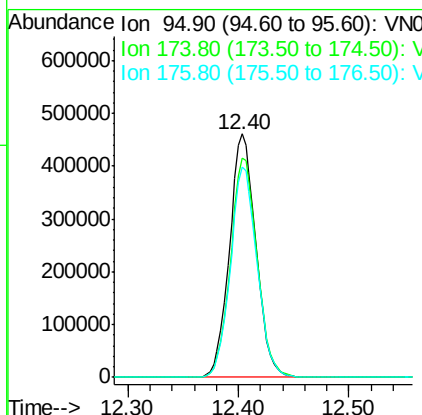
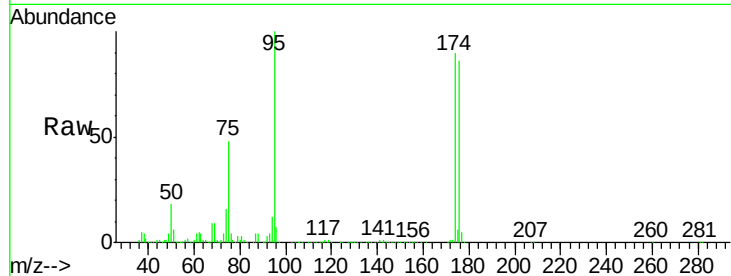




#62
4-Bromofluorobenzene
Concen: 40.23 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN049724.D
Acq: 5 Jul 2018 20:00

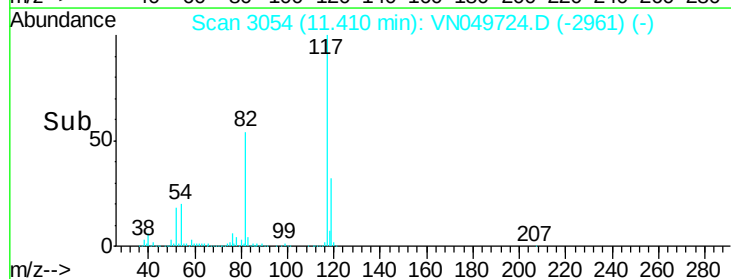
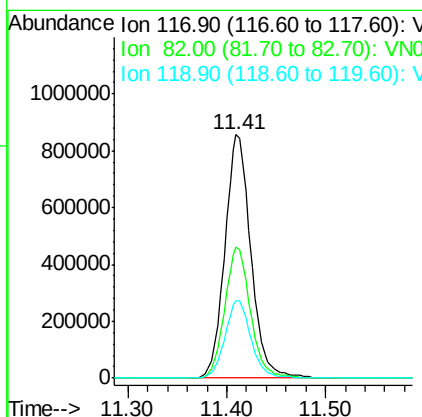
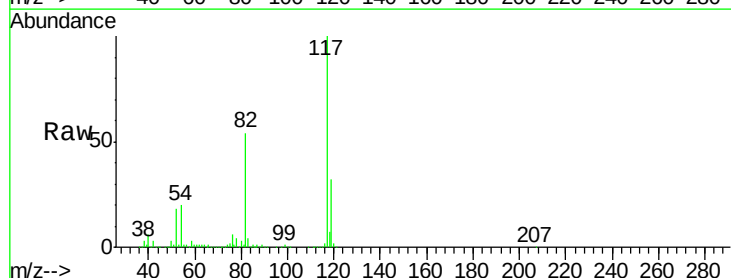
Instrument :
MSVOA_N
ClientSampleId :

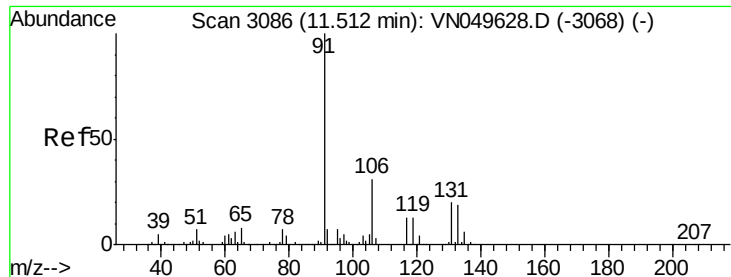
Tot Ion: 95 Resp: 764289
Ion Ratio Lower Upper
95 100
174 91.1 0.0 179.6
176 86.7 0.0 174.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049724.D
Acq: 5 Jul 2018 20:00

Tgt Ion: 117 Resp: 1579625
Ion Ratio Lower Upper
117 100
82 53.6 41.9 62.9
119 31.8 25.4 38.2

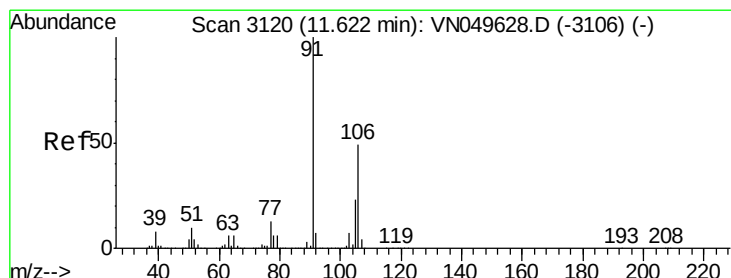
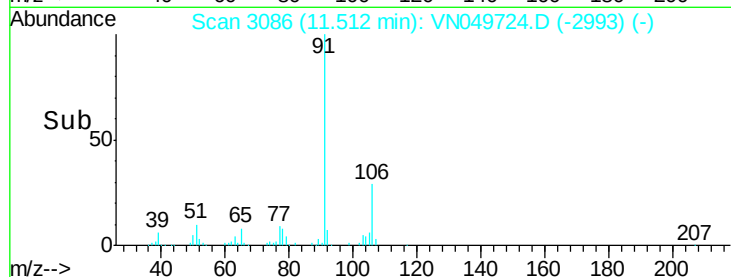
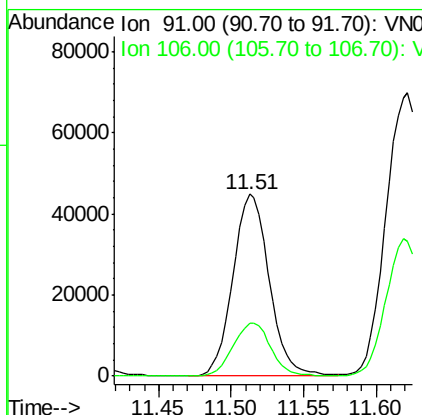
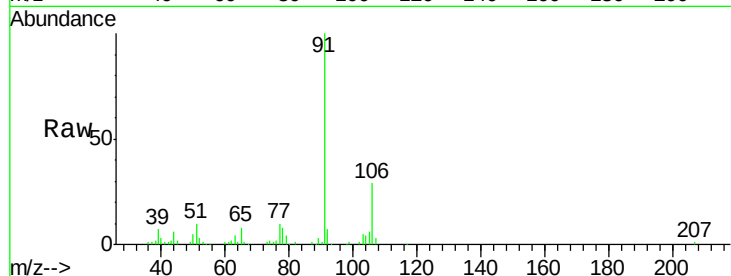




#67
Ethyl Benzene
Concen: 1.15 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN049724.D
Acq: 5 Jul 2018 20:00

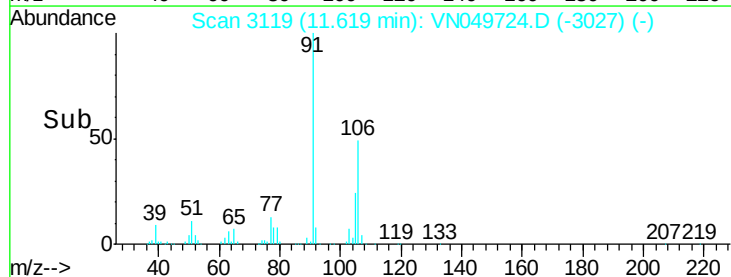
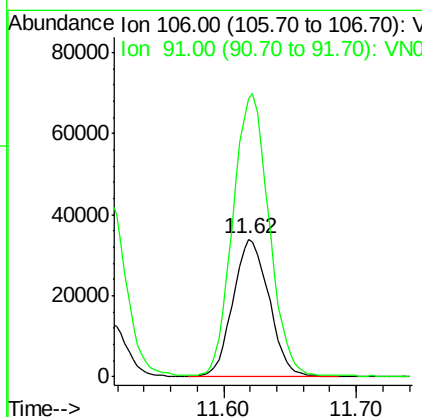
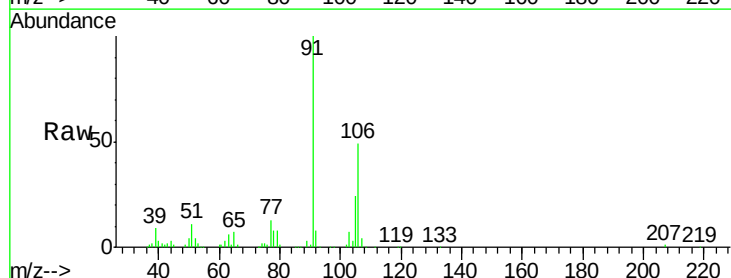
Instrument :
MSVOA_N
ClientSampled :

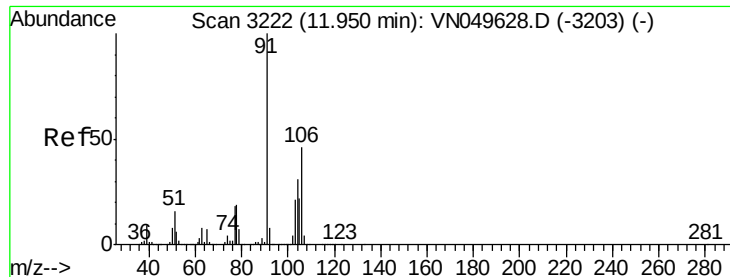
Tot Ion: 91 Resp: 78448
Ion Ratio Lower Upper
91 100
106 28.9 24.8 37.2



#68
m/p-Xylenes
Concen: 2.46 ug/l
RT: 11.62 min Scan# 3119
Delta R.T. -0.00 min
Lab File: VN049724.D
Acq: 5 Jul 2018 20:00

Tgt Ion: 106 Resp: 64261
Ion Ratio Lower Upper
106 100
91 206.8 163.4 245.2

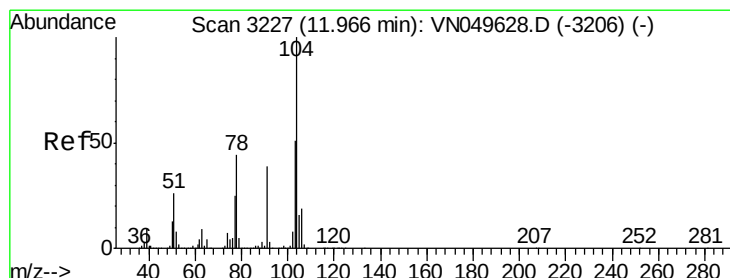
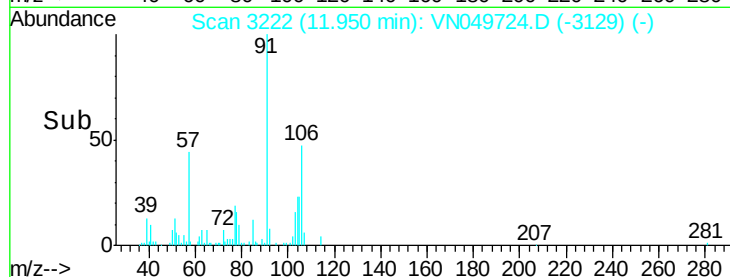
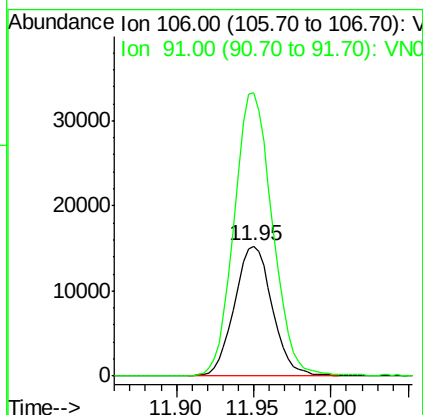
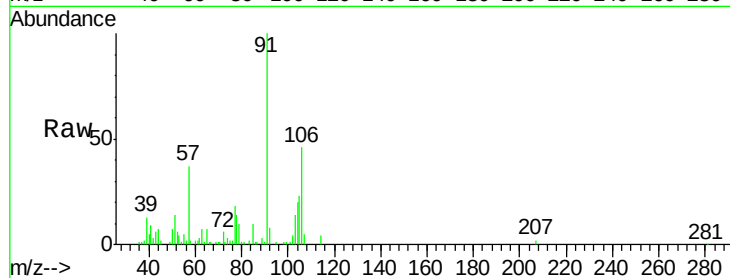




#69
o-Xylene
Concen: 1.04 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049724.D
Acq: 5 Jul 2018 20:00

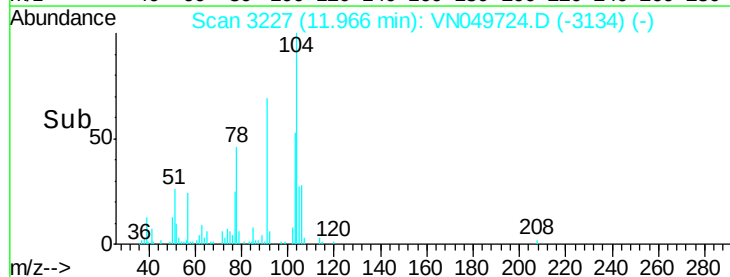
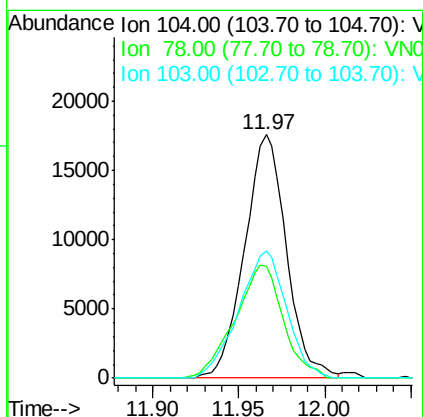
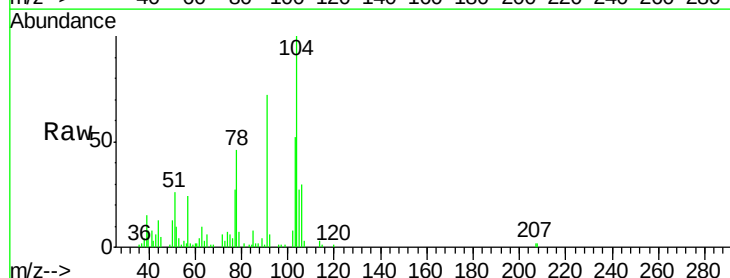
Instrument :
MSVOA_N
ClientSampled :

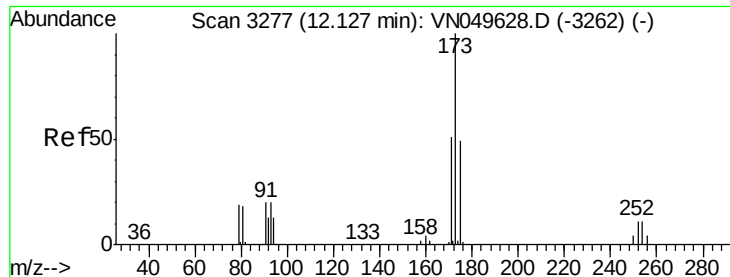
Tot Ion:106 Resp: 26031
Ion Ratio Lower Upper
106 100
91 220.4 108.7 326.1



#70
Styrene
Concen: 0.73 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN049724.D
Acq: 5 Jul 2018 20:00

Tgt Ion:104 Resp: 29642
Ion Ratio Lower Upper
104 100
78 53.4 39.2 58.8
103 59.6 44.6 67.0

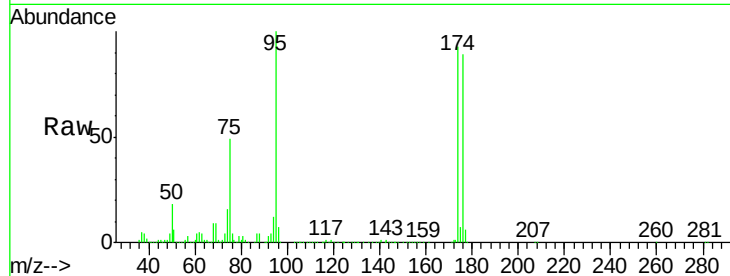




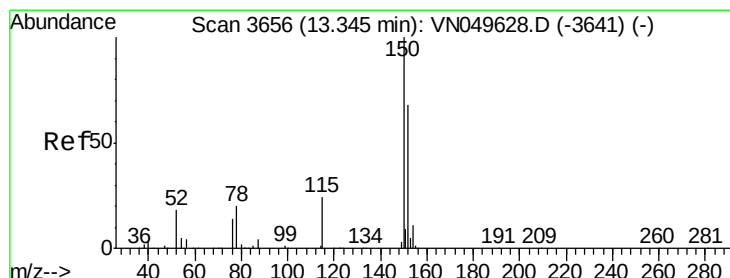
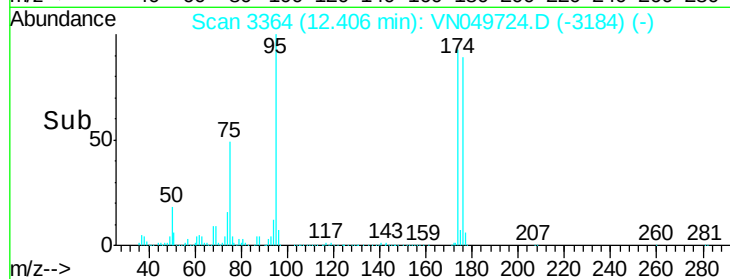
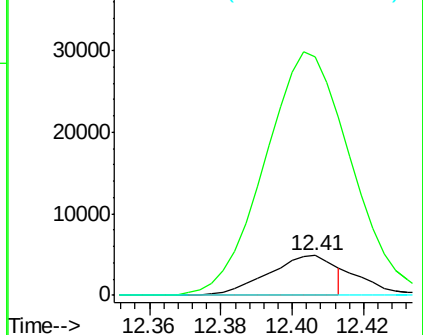
#71
Bromoform
Concen: 0.64 ug/l
RT: 12.41 min Scan# 3364
Delta R.T. 0.28 min
Lab File: VN049724.D
Acq: 5 Jul 2018 20:00

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:173 Resp: 6273
Ion Ratio Lower Upper
173 100
175 643.0 24.6 73.8#
254 0.0 0.2 0.2#

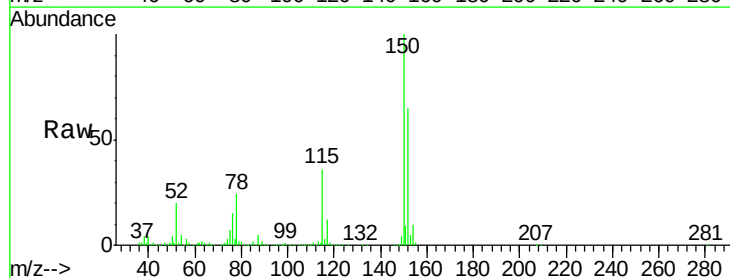


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

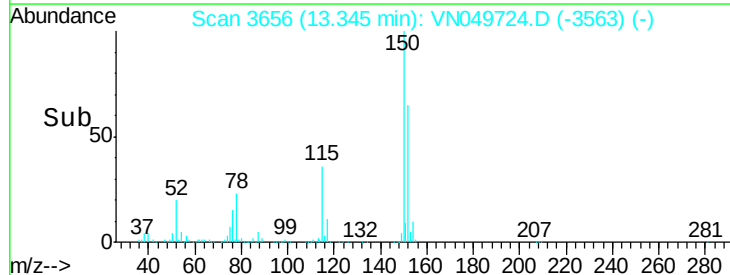
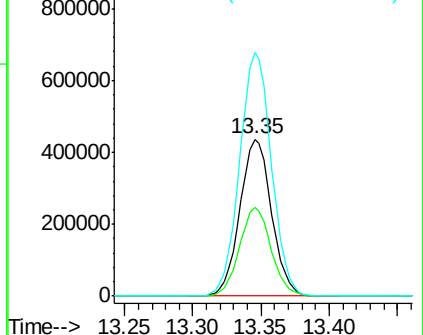


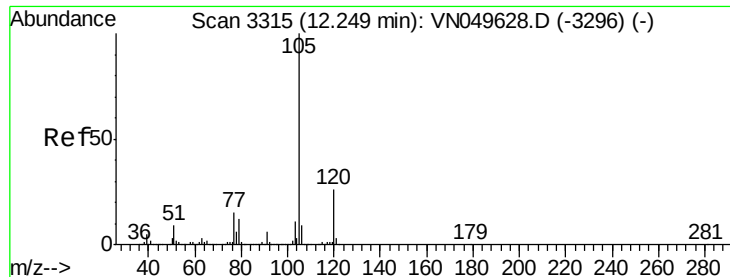
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN049724.D
Acq: 5 Jul 2018 20:00

Tgt Ion:152 Resp: 703271
Ion Ratio Lower Upper
152 100
115 56.4 28.1 84.2
150 156.2 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





#73

Isopropylbenzene

Concen: 0.21 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049724.D

Acq: 5 Jul 2018 20:00

Instrument :

MSVOA_N

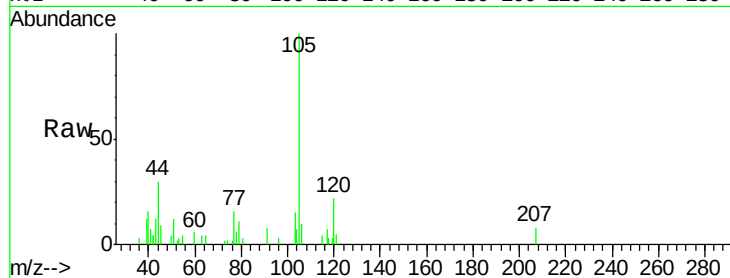
ClientSampleId :

Tot Ion:105 Resp: 12023

Ion Ratio Lower Upper

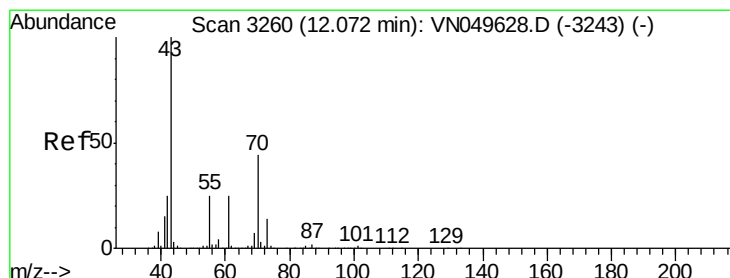
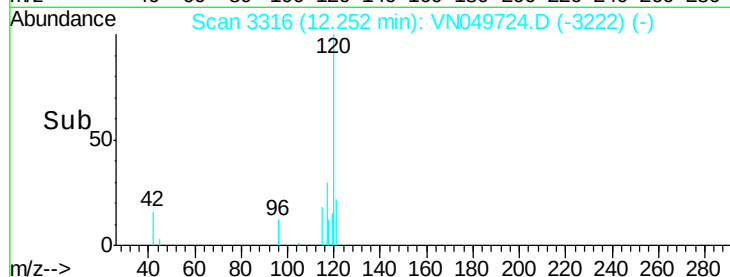
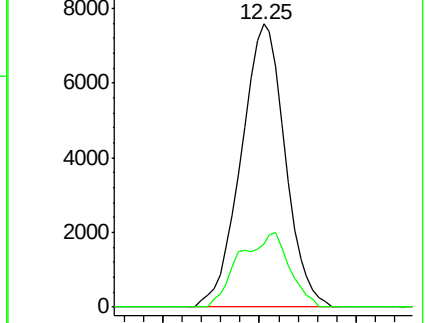
105 100

120 29.7 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 0.40 ug/l

RT: 12.03 min Scan# 3248

Delta R.T. -0.04 min

Lab File: VN049724.D

Acq: 5 Jul 2018 20:00

Tgt Ion: 43 Resp: 6109

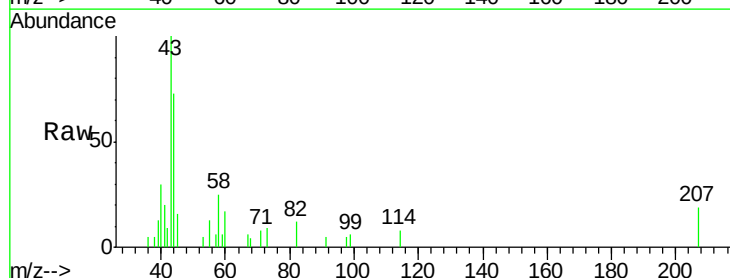
Ion Ratio Lower Upper

43 100

70 2.1 34.8 52.2#

55 13.7 20.9 31.3#

61 0.0 19.9 29.9#

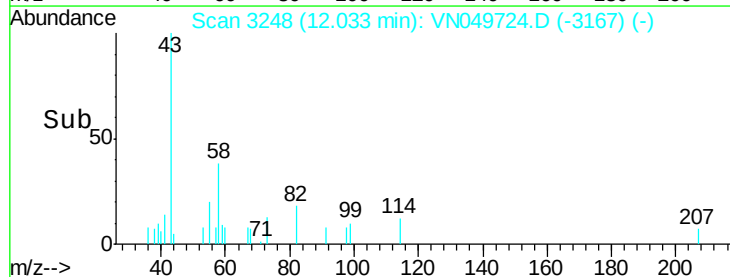
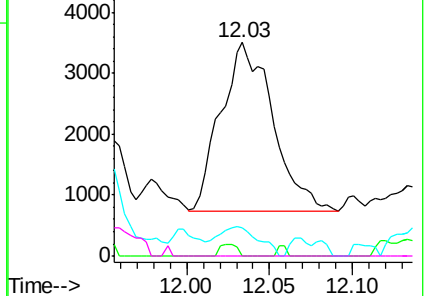


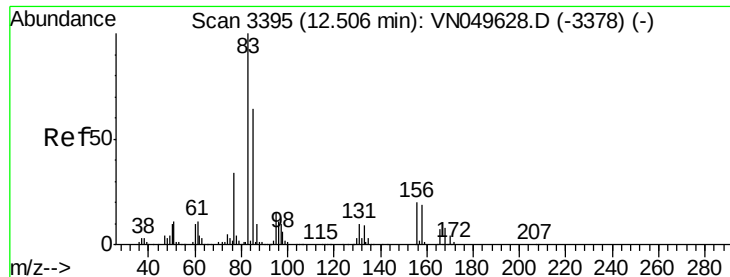
Abundance Ion 43.00 (42.70 to 43.70): V

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: 12.53 min Scan# 3401

Delta R.T. 0.02 min

Lab File: VN049724.D

Acq: 5 Jul 2018 20:00

Instrument :

MSVOA_N

ClientSampleId :

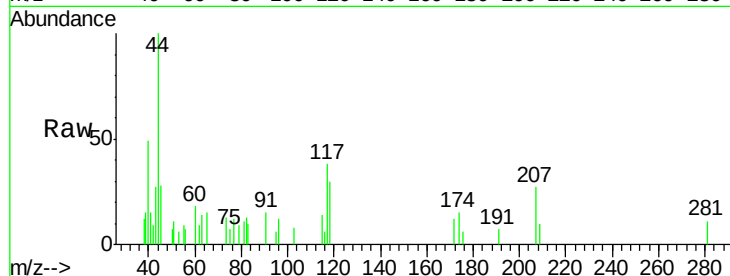
Tot Ion: 83 Resp: 258

Ion Ratio Lower Upper

83 100

131 0.0 5.2 15.6#

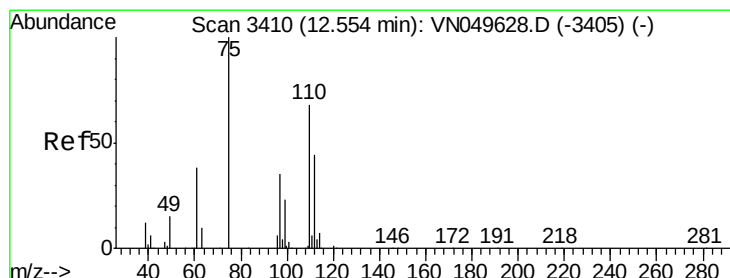
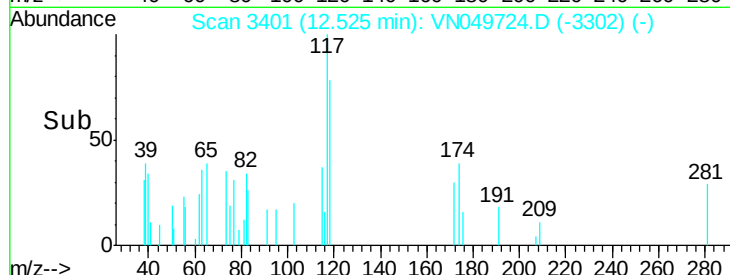
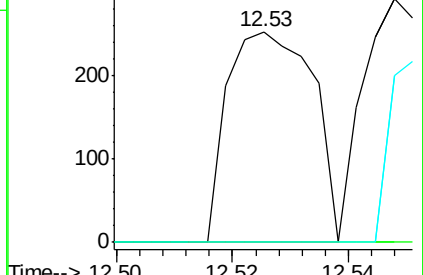
85 0.0 32.5 97.4#



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: 32.96 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049724.D

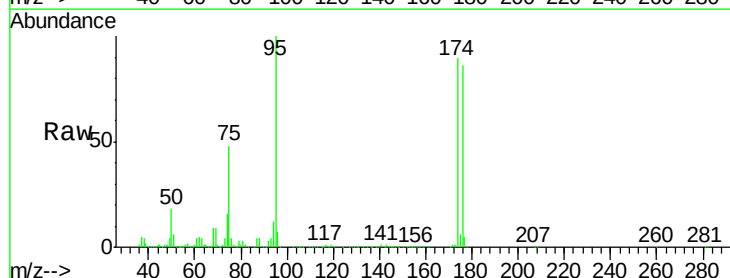
Acq: 5 Jul 2018 20:00

Tgt Ion: 75 Resp: 371720

Ion Ratio Lower Upper

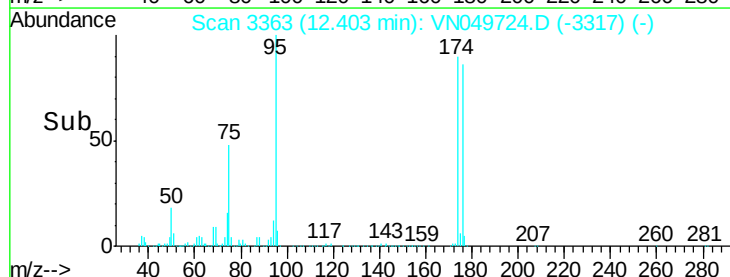
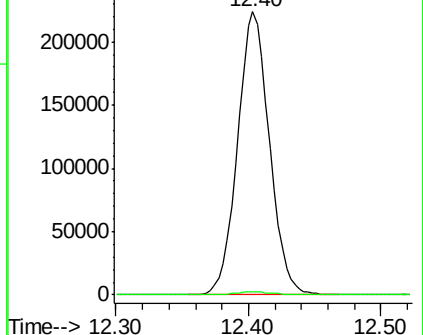
75 100

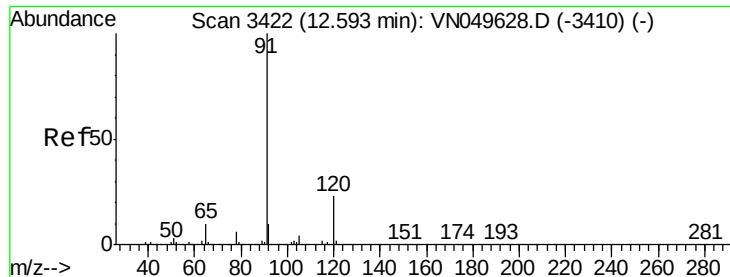
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#78

n-propylbenzene

Concen: 0.48 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049724.D

Acq: 5 Jul 2018 20:00

Instrument :

MSVOA_N

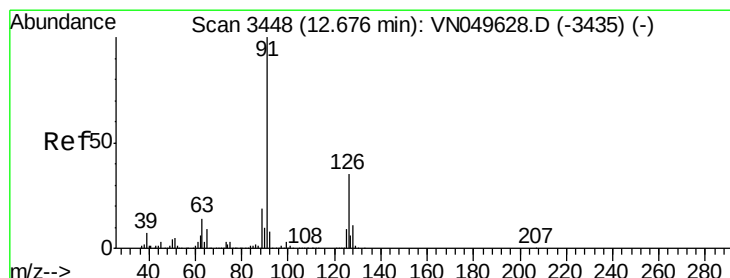
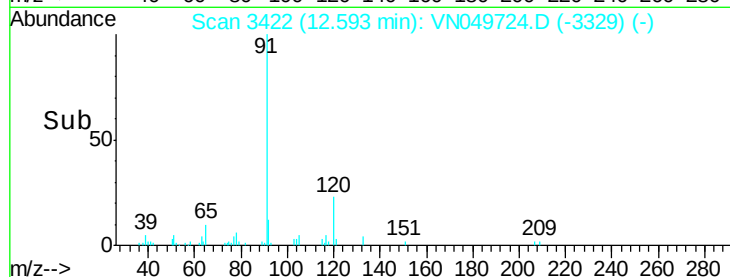
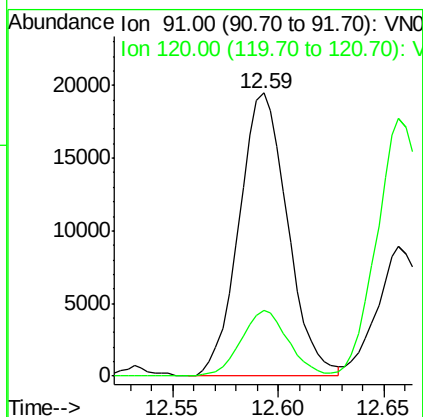
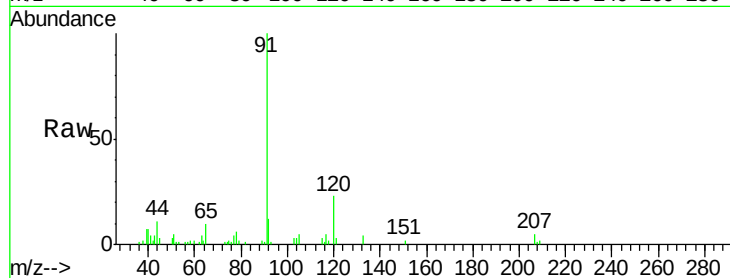
ClientSampled :

Tot Ion: 91 Resp: 31099

Ion Ratio Lower Upper

91 100

120 22.7 11.5 34.4



#79

2-Chlorotoluene

Concen: 0.33 ug/l

RT: 12.66 min Scan# 3442

Delta R.T. -0.02 min

Lab File: VN049724.D

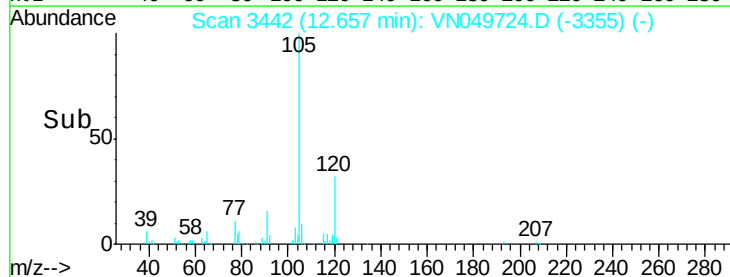
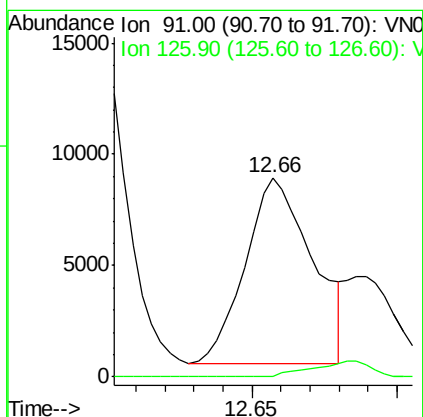
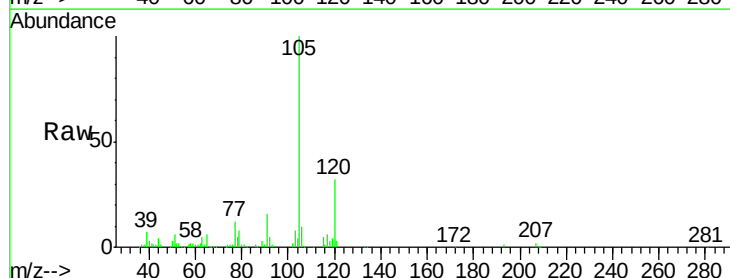
Acq: 5 Jul 2018 20:00

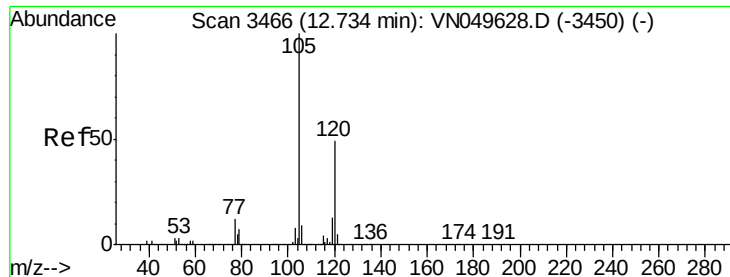
Tgt Ion: 91 Resp: 13427

Ion Ratio Lower Upper

91 100

126 0.0 17.5 52.5#





#80

1,3,5-Trimethylbenzene

Concen: 1.09 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049724.D

Acq: 5 Jul 2018 20:00

Instrument :

MSVOA_N

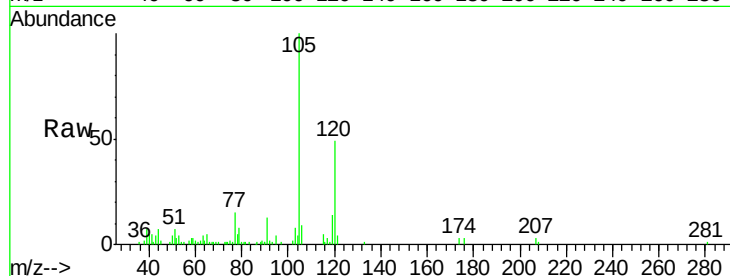
ClientSampleId :

Tot Ion:105 Resp: 50807

Ion Ratio Lower Upper

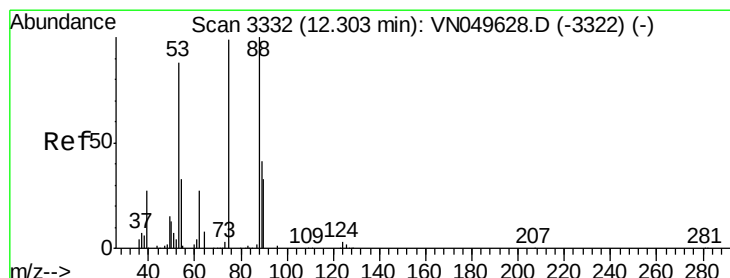
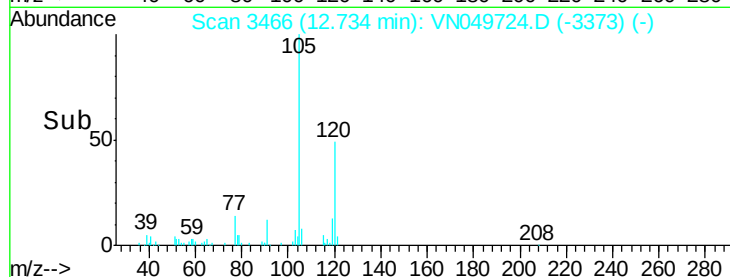
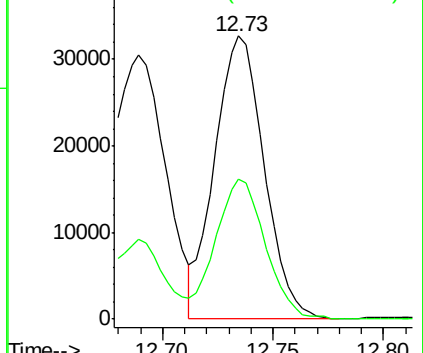
105 100

120 49.5 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 111.94 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049724.D

Acq: 5 Jul 2018 20:00

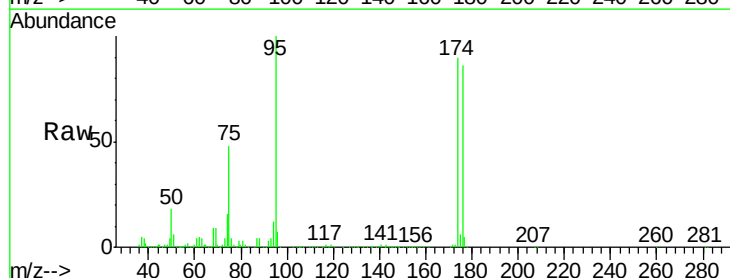
Tgt Ion: 75 Resp: 371720

Ion Ratio Lower Upper

75 100

53 0.3 73.9 110.9#

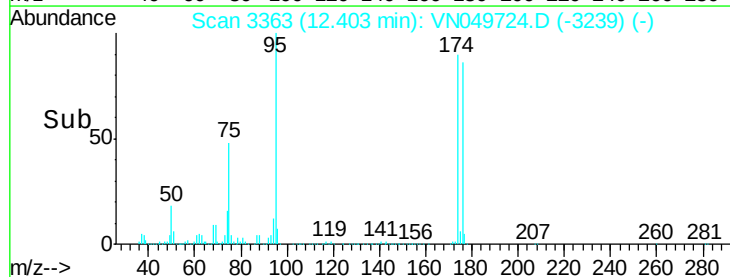
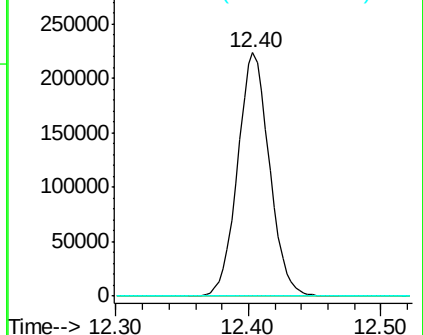
89 0.0 35.9 53.9#

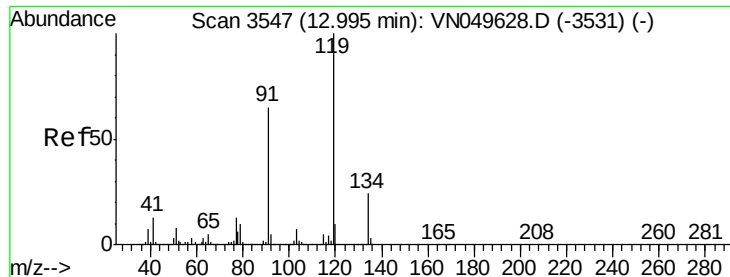


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#83

tert-Butylbenzene

Concen: 0.67 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.05 min

Lab File: VN049724.D

Acq: 5 Jul 2018 20:00

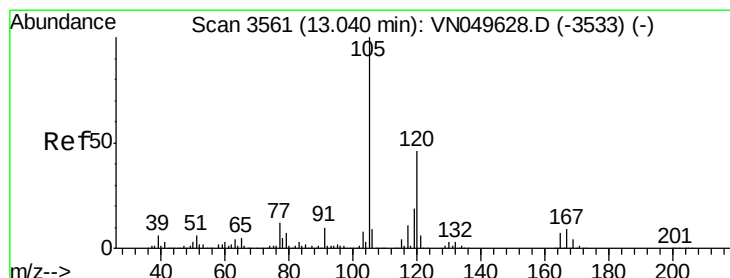
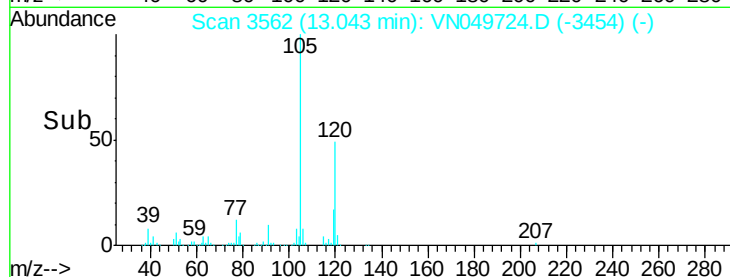
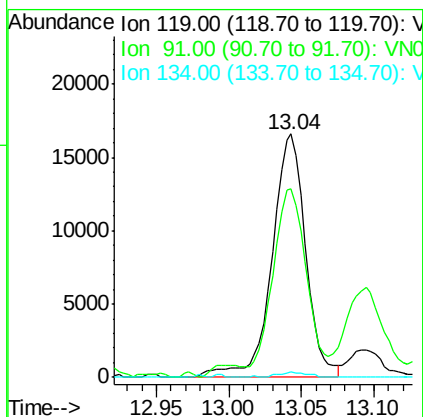
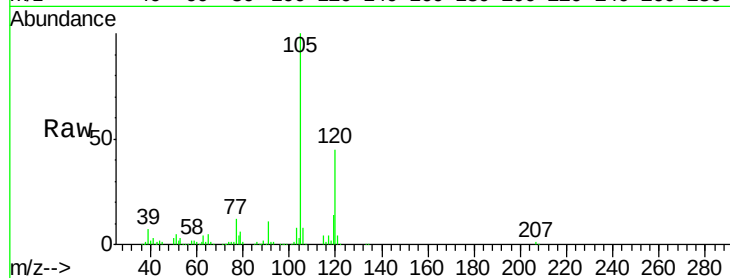
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:119 Resp: 26787

Ion	Ratio	Lower	Upper
119	100		
91	77.4	32.0	96.2
134	1.7	12.8	38.4#



#84

1,2,4-Trimethylbenzene

Concen: 4.09 ug/l

RT: 13.04 min Scan# 3562

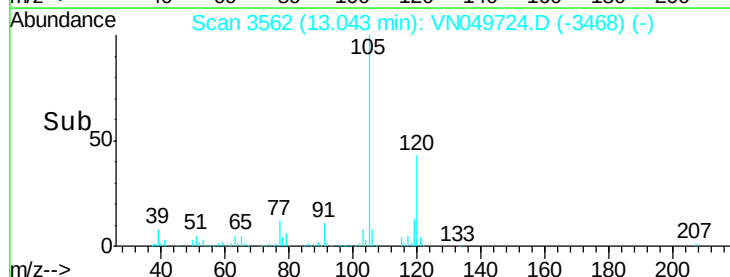
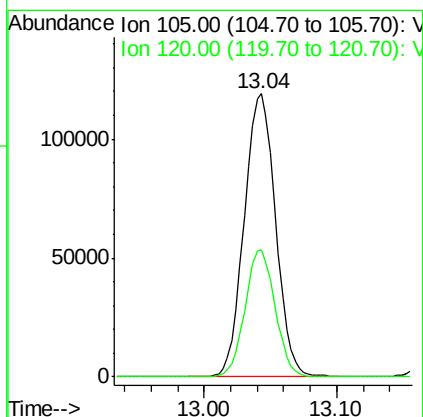
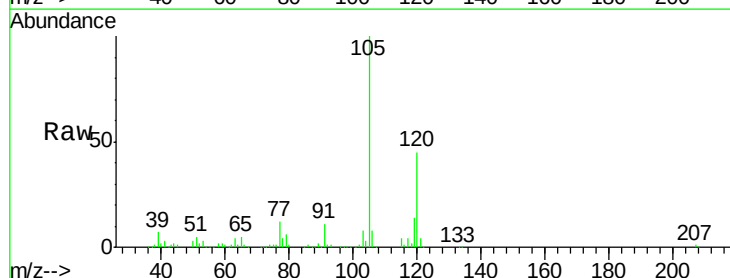
Delta R.T. 0.00 min

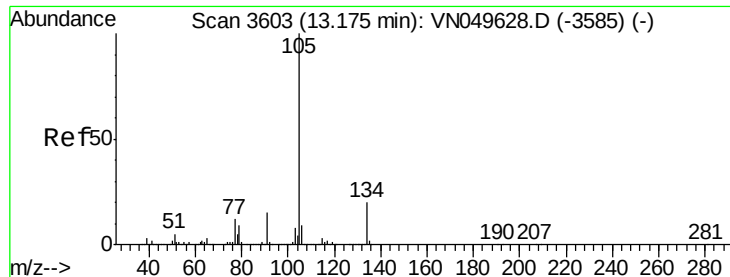
Lab File: VN049724.D

Acq: 5 Jul 2018 20:00

Tgt Ion:105 Resp: 195789

Ion	Ratio	Lower	Upper
105	100		
120	43.0	22.7	68.1





#85

sec-Butylbenzene

Concen: 0.25 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049724.D

Acq: 5 Jul 2018 20:00

Instrument :

MSVOA_N

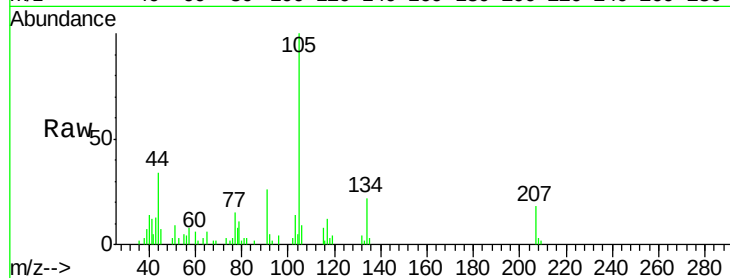
ClientSampleId :

Tot Ion:105 Resp: 12986

Ion Ratio Lower Upper

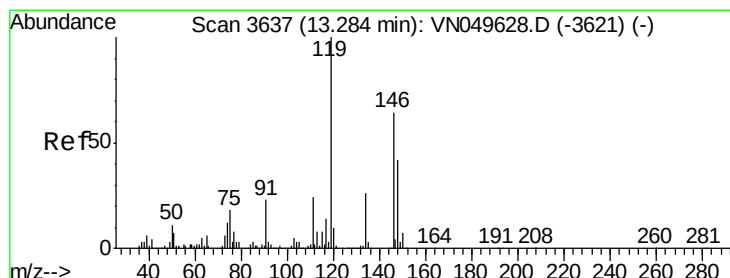
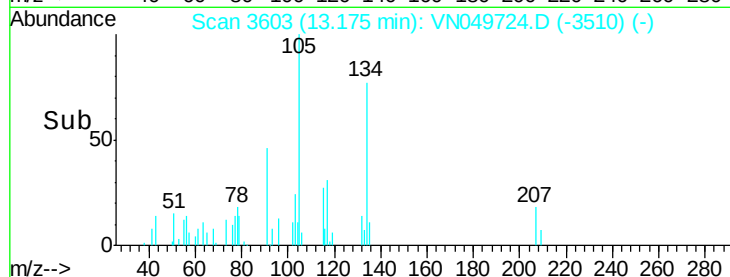
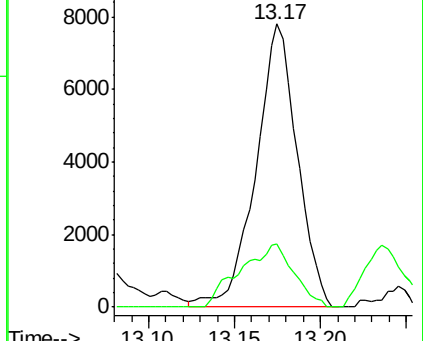
105 100

134 29.1 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#87

1,3-Dichlorobenzene

Concen: Below Cal

RT: 13.28 min Scan# 3637

Delta R.T. 0.00 min

Lab File: VN049724.D

Acq: 5 Jul 2018 20:00

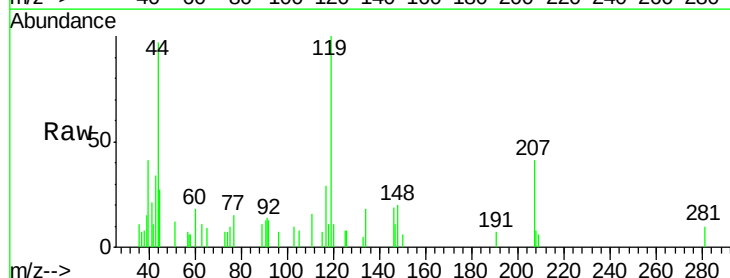
Tgt Ion:146 Resp: 773

Ion Ratio Lower Upper

146 100

111 101.2 19.0 57.0#

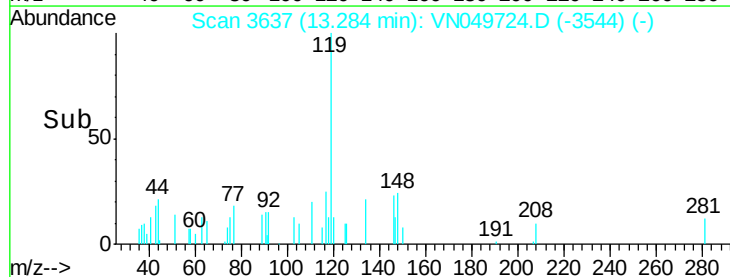
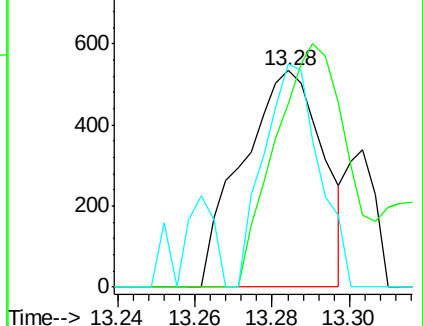
148 71.0 32.5 97.5

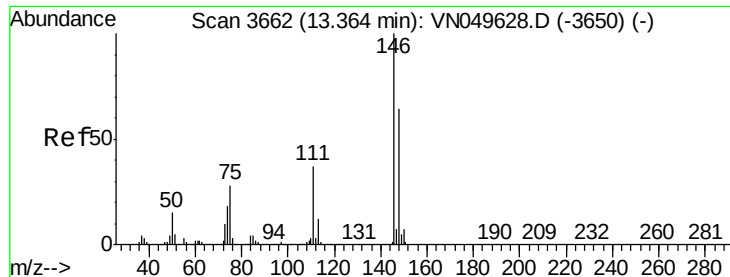


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 13.37 min Scan# 3664

Delta R.T. 0.01 min

Lab File: VN049724.D

Acq: 5 Jul 2018 20:00

Instrument :

MSVOA_N

ClientSampleId :

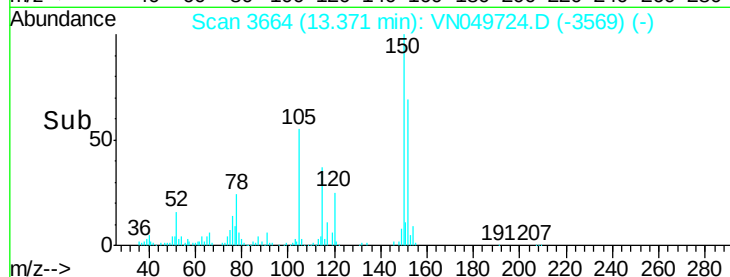
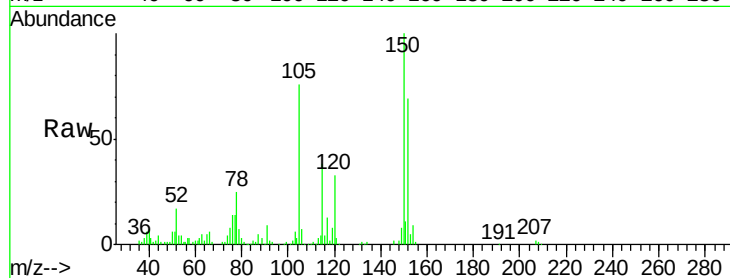
Tot Ion:146 Resp: 2068

Ion Ratio Lower Upper

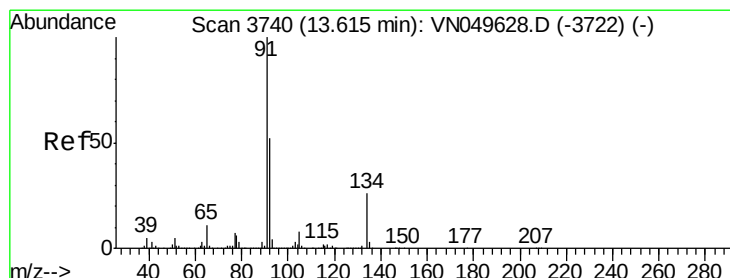
146 100

111 0.0 18.9 56.5#

148 0.0 32.1 96.3#



Time-->



#89

n-Butylbenzene

Concen: 0.28 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. 0.00 min

Lab File: VN049724.D

Acq: 5 Jul 2018 20:00

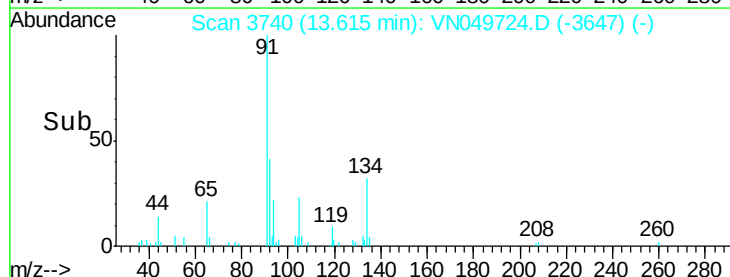
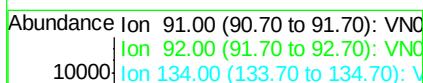
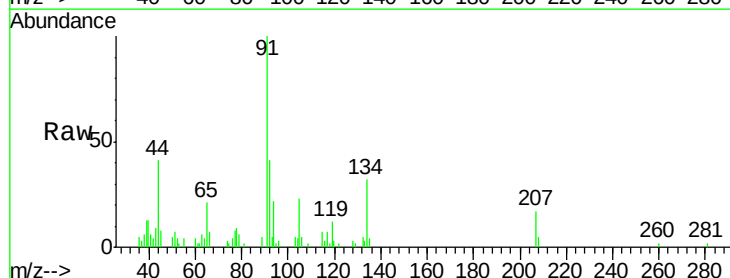
Tgt Ion: 91 Resp: 11073

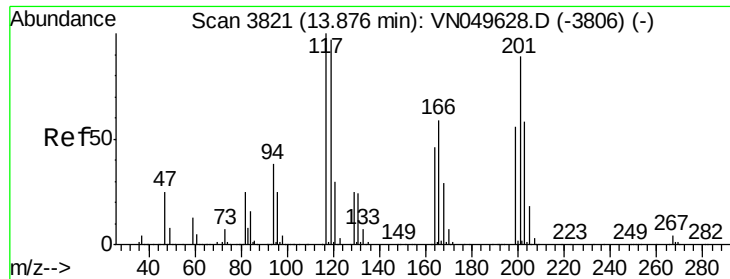
Ion Ratio Lower Upper

91 100

92 53.9 25.8 77.3

134 0.0 13.0 38.9#





#90

Hexachloroethane

Concen: 2.06 ua/l

RT: 13.89 min Scan# 3826

Delta R.T. 0.02 min

Lab File: VN049724.D

Acq: 5 Jul 2018 20:00

Instrument :

MSVOA_N

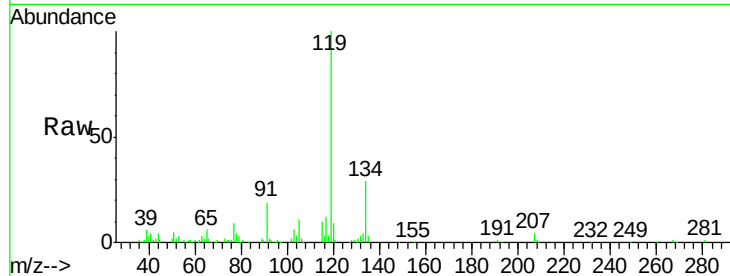
ClientSampled :

Tot Ion:117 Resp: 9926

Ion Ratio Lower Upper

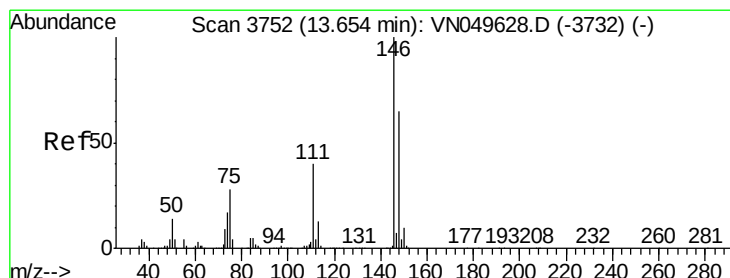
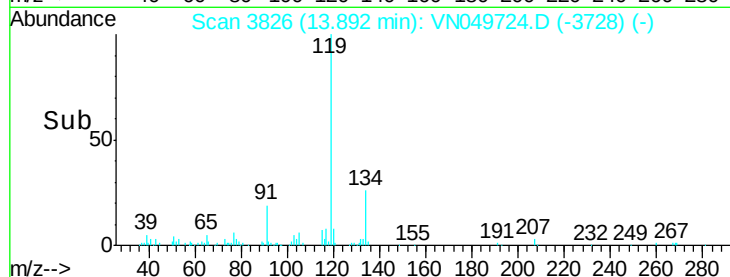
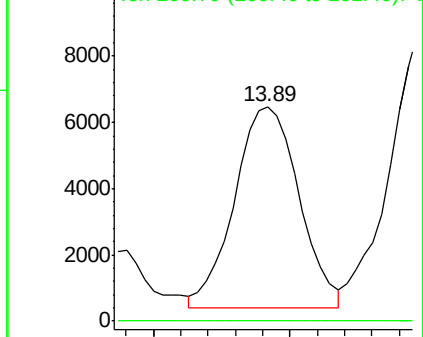
117 100

201 0.0 45.3 135.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: Below Cal

RT: 13.65 min Scan# 3752

Delta R.T. 0.00 min

Lab File: VN049724.D

Acq: 5 Jul 2018 20:00

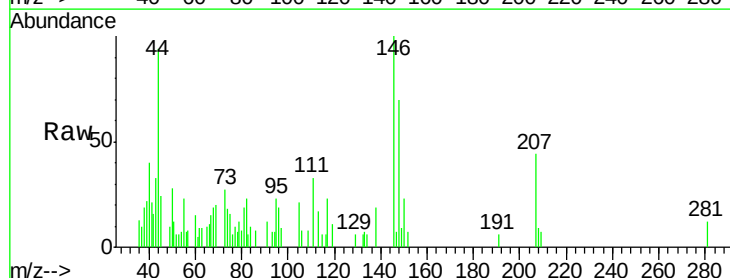
Tgt Ion:146 Resp: 4854

Ion Ratio Lower Upper

146 100

111 41.3 19.7 59.1

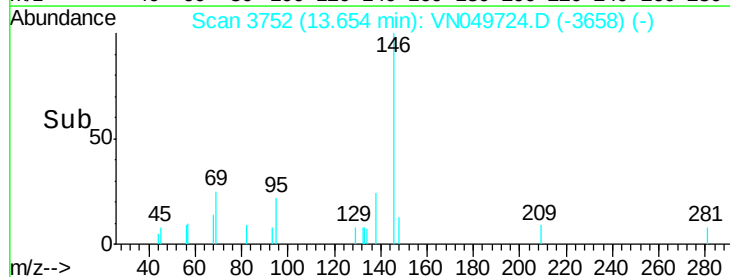
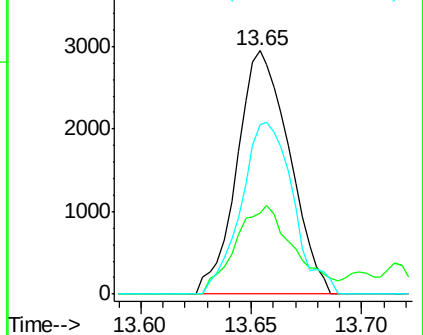
148 69.9 32.0 96.2

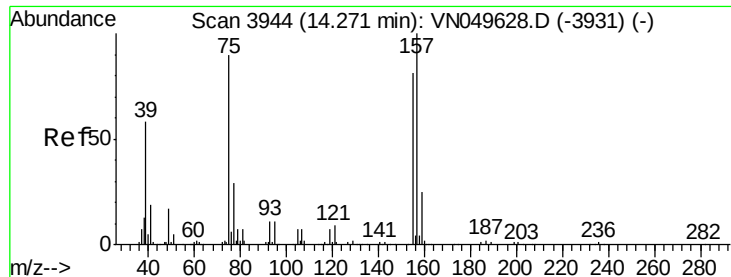


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.25 min Scan# 3938

Delta R.T. -0.02 min

Lab File: VN049724.D

Acq: 5 Jul 2018 20:00

Instrument :

MSVOA_N

ClientSampleId :

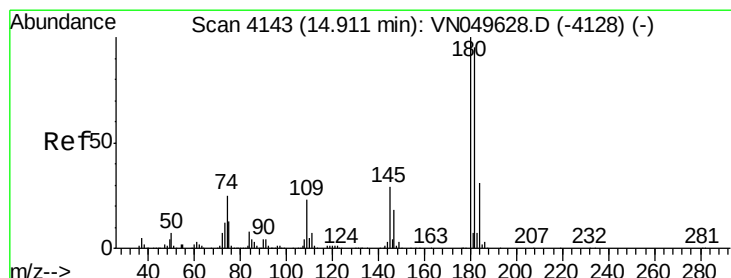
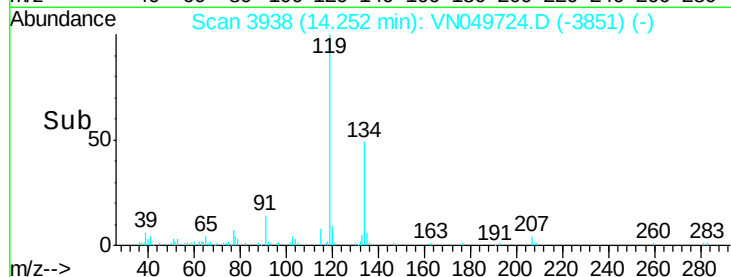
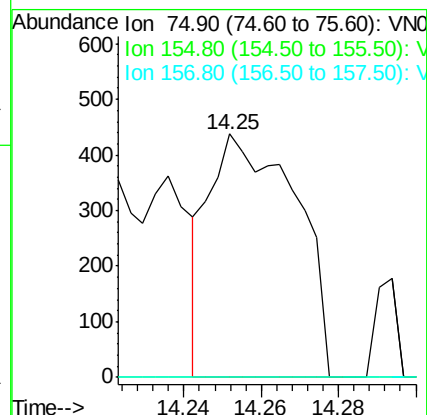
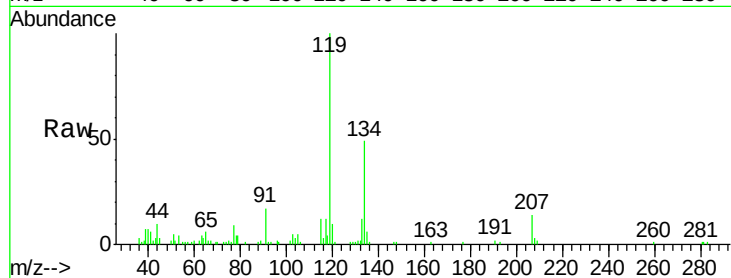
Tot Ion: 75 Resp: 683

Ion Ratio Lower Upper

75 100

155 0.0 45.7 137.1#

157 0.0 56.9 170.7#



#93

1,2,4-Trichlorobenzene

Concen: 3.88 ug/l

RT: 14.91 min Scan# 4144

Delta R.T. 0.00 min

Lab File: VN049724.D

Acq: 5 Jul 2018 20:00

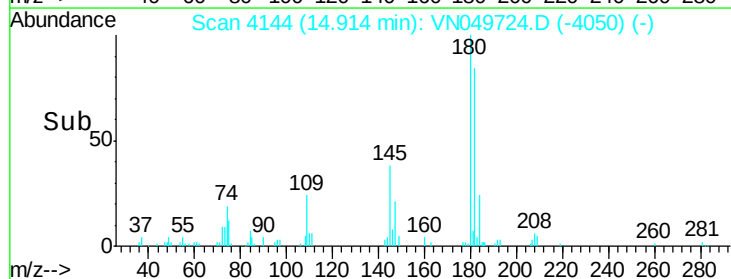
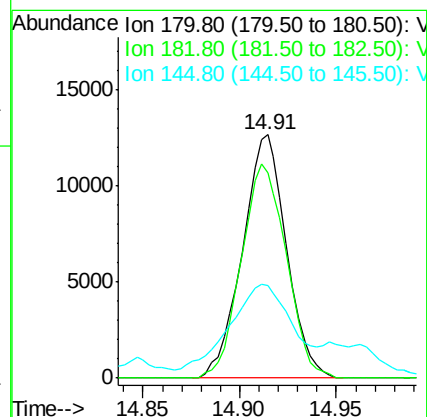
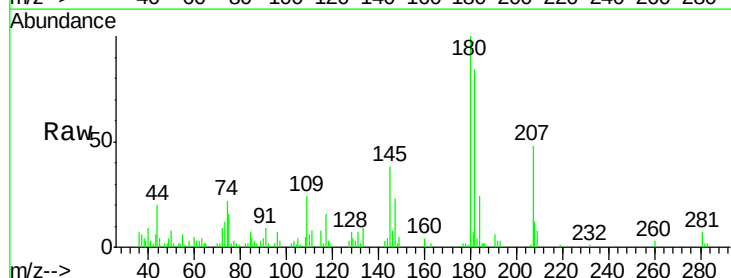
Tgt Ion: 180 Resp: 20032

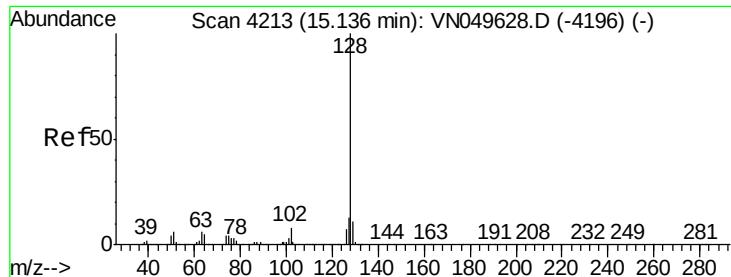
Ion Ratio Lower Upper

180 100

182 90.0 47.3 141.9

145 48.8 14.4 43.0#

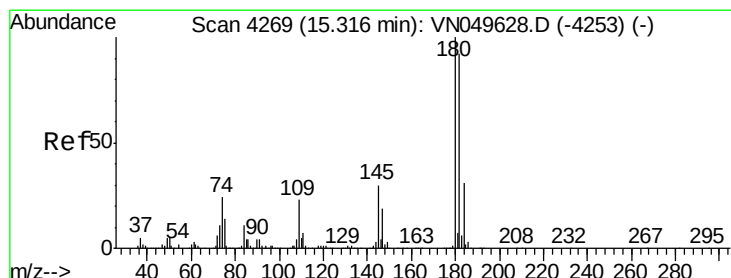
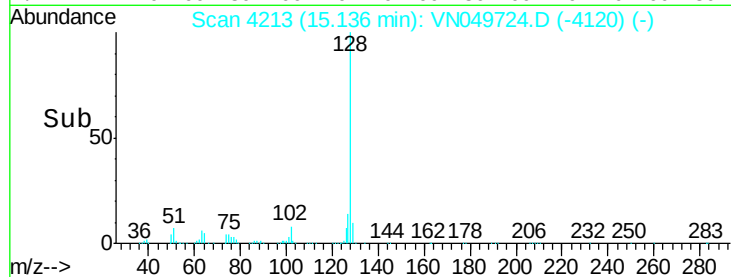
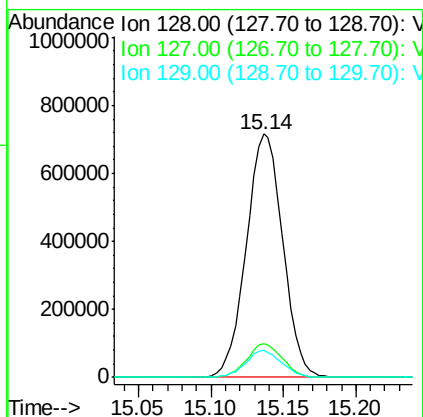
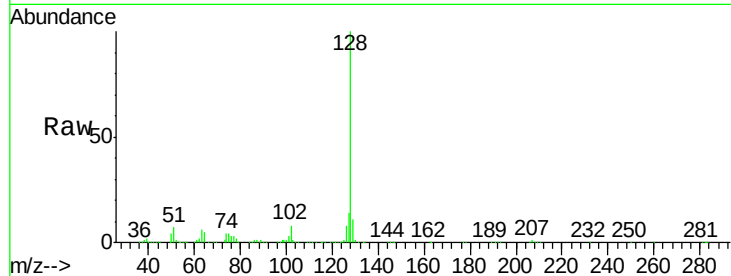




#95
Naphthalene
Concen: 44.36 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN049724.D
Acq: 5 Jul 2018 20:00

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:128 Resp: 1252933
Ion Ratio Lower Upper
128 100
127 13.5 10.4 15.6
129 10.8 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 1.96 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. 0.00 min
Lab File: VN049724.D
Acq: 5 Jul 2018 20:00

Tgt Ion:180 Resp: 4026
Ion Ratio Lower Upper
180 100
182 87.6 47.4 142.2
145 0.0 15.2 45.6#

