

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070318\
 Data File : VN049696.D
 Acq On : 3 Jul 2018 16:21
 Operator : MD\SY
 Sample : J3811-02DL 20X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 03 23:07:13 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	1407354	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2241958	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1874920	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	769494	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	931142	50.10	ug/l	0.00
Spiked Amount			Recovery	=	100.20%	
35) Dibromofluoromethane	7.59	113	794550	47.40	ug/l	0.00
Spiked Amount			Recovery	=	94.80%	
50) Toluene-d8	10.09	98	3048590	46.47	ug/l	0.00
Spiked Amount			Recovery	=	92.94%	
62) 4-Bromofluorobenzene	12.41	95	920502	41.10	ug/l	0.00
Spiked Amount			Recovery	=	82.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	5444	0.27	ug/l	98
11) Tert butyl alcohol	4.80	59	469	0.44	ug/l #	72
13) Acrolein	3.60	56	523	0.52	ug/l #	1
15) Acrylonitrile	5.00	53	1884	0.34	ug/l #	66
16) Acetone	3.83	43	9359	Below Cal	#	88
17) Carbon Disulfide	4.04	76	79694	1.40	ug/l	96
18) Methyl Acetate	4.34	43	37414	Below Cal	#	78
25) 2-Butanone	6.85	43	4827	0.78	ug/l	95
27) cis-1,2-Dichloroethene	6.83	96	4412	0.23	ug/l	87
29) Tetrahydrofuran	7.22	42	4076	1.04	ug/l #	75
31) Cyclohexane	7.67	56	26232	0.21	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	96366	3.82	ug/l #	49
38) Carbon Tetrachloride	7.67	117	127197	5.18	ug/l #	16
43) Isopropyl Acetate	8.29	43	339669	11.18	ug/l #	62
49) 1,4-Dioxane	9.21	88	912	5.19	ug/l #	60
51) 4-Methyl-2-Pentanone	9.99	43	6491	0.45	ug/l	92
58) 2-Chloroethyl Vinyl ether	9.71	63	266	10.85	ug/l #	48
59) 2-Hexanone	10.76	43	8211	0.86	ug/l	98
67) Ethyl Benzene	11.51	91	34508	0.43	ug/l	95
68) m/p-Xylenes	11.62	106	98825	3.19	ug/l	96
69) o-Xylene	11.95	106	119281	4.02	ug/l	99
70) Styrene	11.95	104	12118	0.25	ug/l #	1
71) Bromoform	12.41	173	7262	0.62	ug/l #	1
73) Isopropylbenzene	12.25	105	75617	1.23	ug/l	99
74) N-amyl acetate	12.08	43	4542	0.27	ug/l #	54
75) 1,1,2,2-Tetrachloroethane	12.51	83	1284	Below Cal	#	66
76) 1,2,3-Trichloropropane	12.40	75	451747	36.61	ug/l #	100
78) n-propylbenzene	12.59	91	196373	2.80	ug/l	99
79) 2-Chlorotoluene	12.66	91	189070	4.25	ug/l #	42
80) 1,3,5-Trimethylbenzene	12.73	105	1103084	21.66	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.40	75	451747	124.33	ug/l #	13
82) 4-Chlorotoluene	12.73	91	102086	2.28	ug/l #	40
83) tert-Butylbenzene	12.99	119	27615	0.63	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	3255024	62.19	ug/l	100

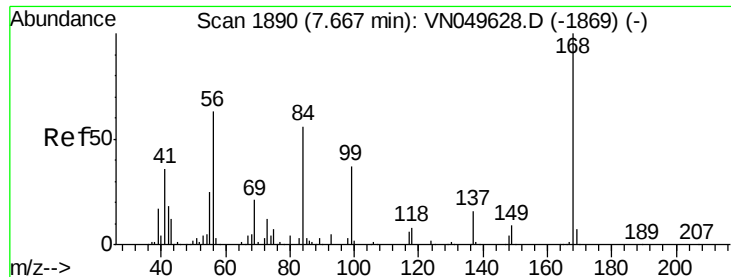
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070318\
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
85) sec-Butylbenzene	13.04	105	3255024	56.15	ug/l #	56
86) p-Isopropyltoluene	13.29	119	87037	1.73	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	6859	Below	Cal	96
88) 1,4-Dichlorobenzene	13.28	146	6859	Below	Cal	96
89) n-Butylbenzene	13.62	91	23945	0.56	ug/l #	65
90) Hexachloroethane	13.89	117	9774	1.85	ug/l #	4
91) 1,2-Dichlorobenzene	13.66	146	6094	Below	Cal	94
92) 1,2-Dibromo-3-Chloropropan	14.26	75	491	Below	Cal	91
93) 1,2,4-Trichlorobenzene	14.91	180	7964	2.94	ug/l #	87
94) Hexachlorobutadiene	15.02	225	3691	Below	Cal	82
95) Naphthalene	15.14	128	48622	5.47	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	8335	2.25	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN049696.D

Acq: 3 Jul 2018 16:21

Instrument :

MSVOA_N

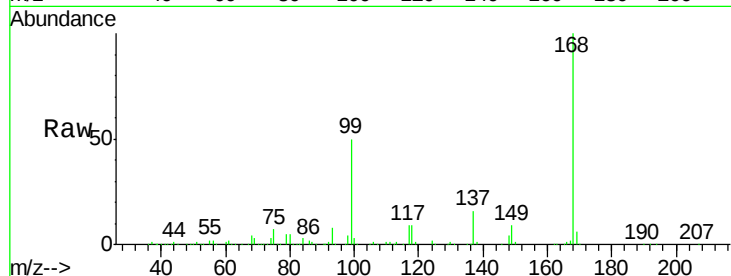
ClientSampleId :

Tot Ion:168 Resp: 1407354

Ion Ratio Lower Upper

168 100

99 50.0 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

600000

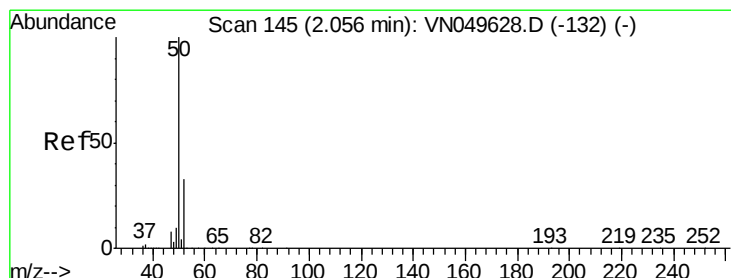
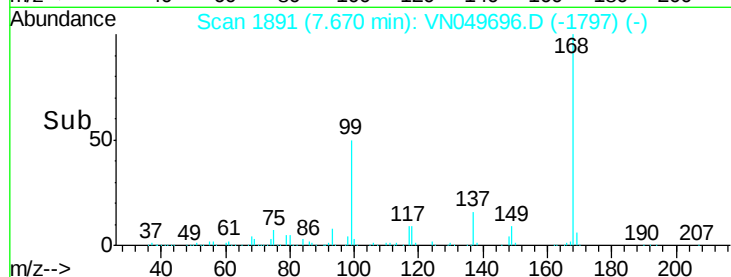
400000

200000

0

7.60 7.70 7.80

Time-->



#3

Chloromethane

Concen: 0.27 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049696.D

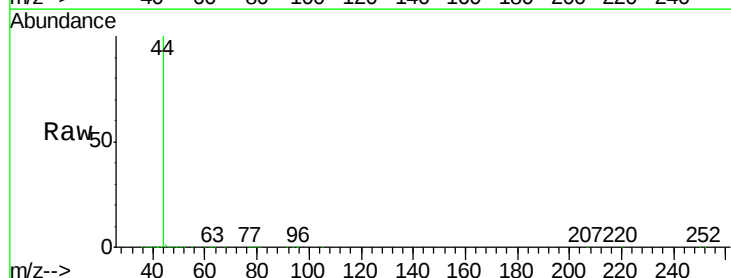
Acq: 3 Jul 2018 16:21

Tgt Ion: 50 Resp: 5444

Ion Ratio Lower Upper

50 100

52 33.9 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.06

4000

3000

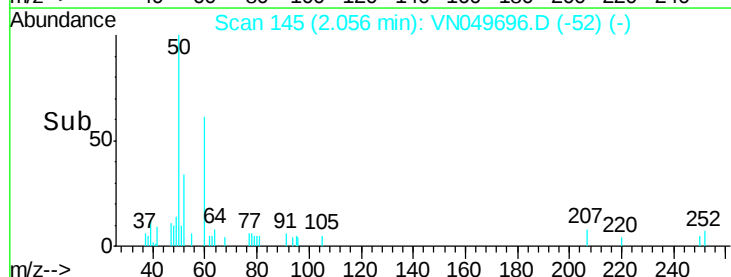
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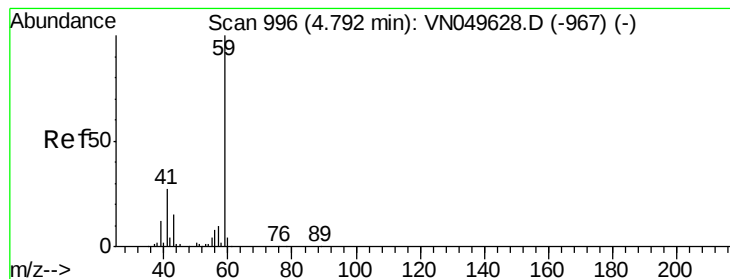
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2.00 2.05 2.10

Time-->



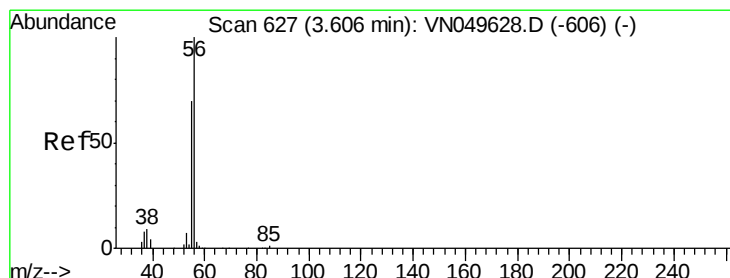
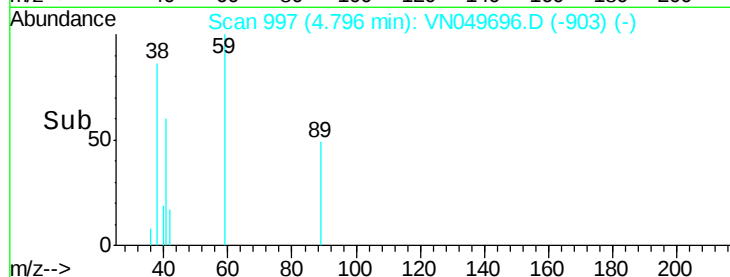
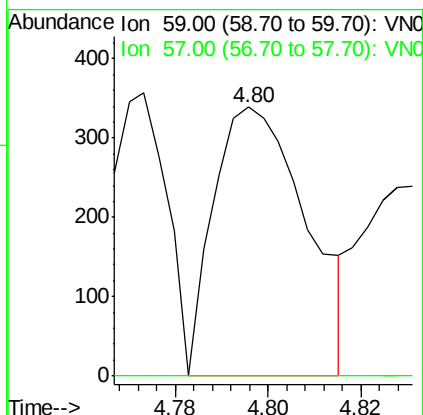
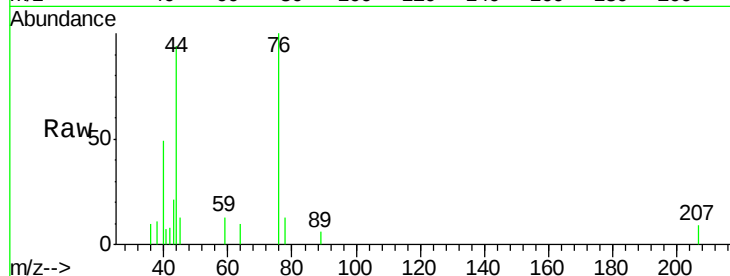


#11

Tert butyl alcohol
 Concen: 0.44 ug/l
 RT: 4.80 min Scan# 997
 Delta R.T. 0.00 min
 Lab File: VN049696.D
 Acq: 3 Jul 2018 16:21

Instrument :
 MSVOA_N
 ClientSampled :

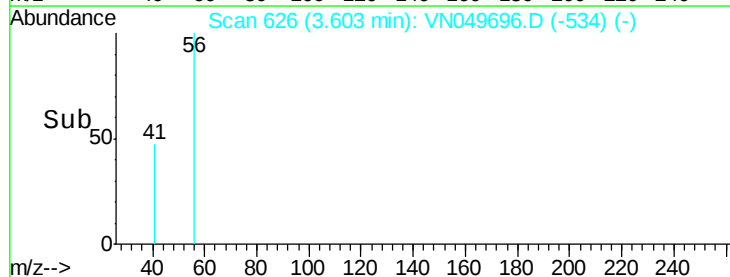
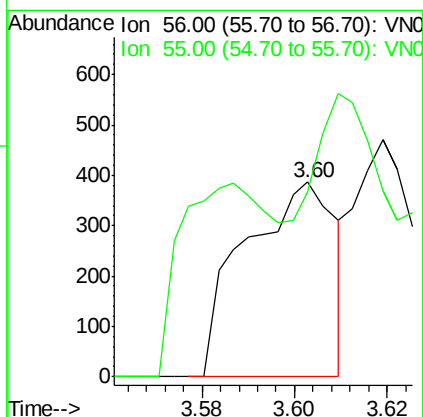
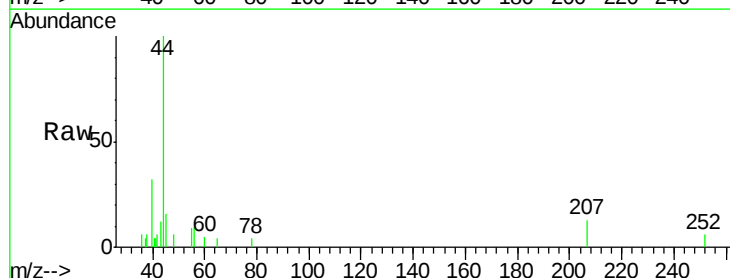
Tot Ion: 59 Resp: 469
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

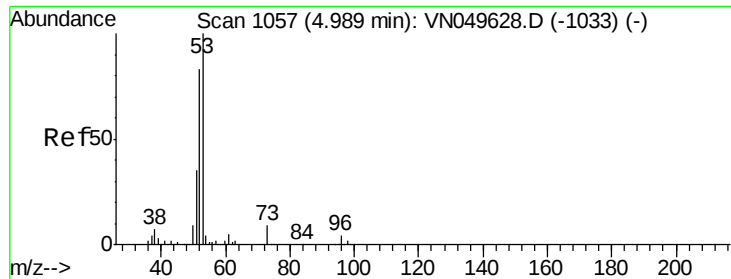


#13

Acrolein
 Concen: 0.52 ug/l
 RT: 3.60 min Scan# 626
 Delta R.T. -0.00 min
 Lab File: VN049696.D
 Acq: 3 Jul 2018 16:21

Tgt Ion: 56 Resp: 523
 Ion Ratio Lower Upper
 56 100
 55 168.1 55.8 83.8#





#15

Acrylonitrile

Concen: 0.34 ug/l

RT: 5.00 min Scan# 1062

Delta R.T. 0.02 min

Lab File: VN049696.D

Acq: 3 Jul 2018 16:21

Instrument :

MSVOA_N

ClientSampled :

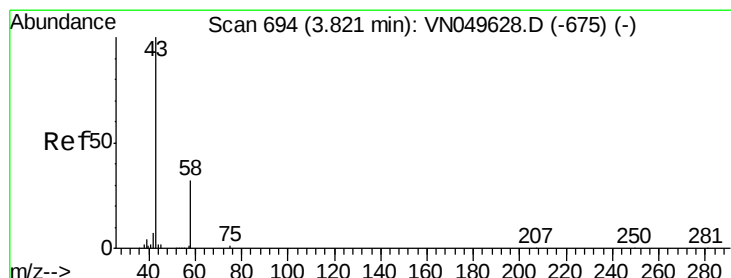
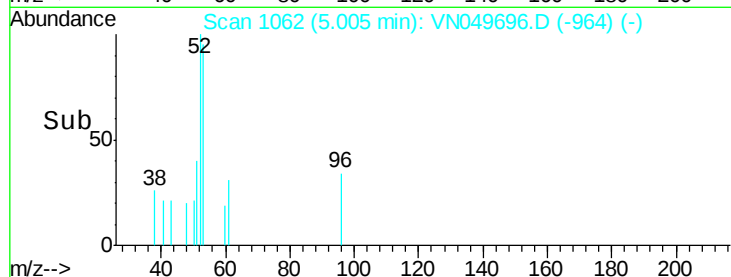
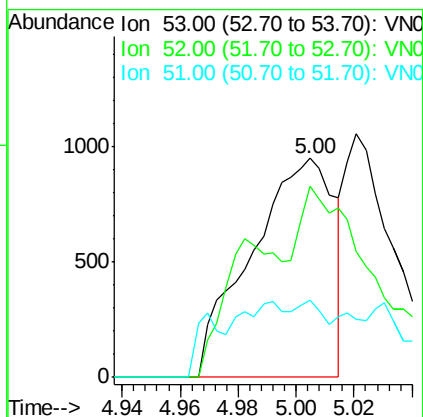
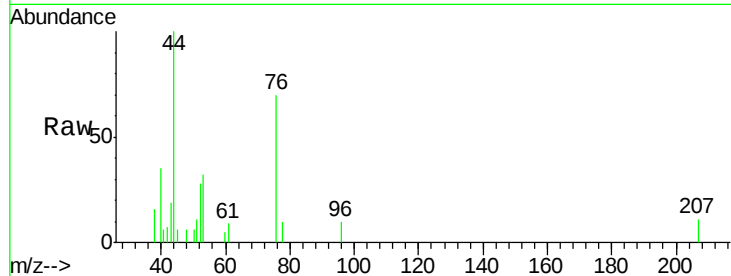
Tot Ion: 53 Resp: 1884

Ion Ratio Lower Upper

53 100

52 62.0 64.8 97.2#

51 0.0 28.9 43.3#



#16

Acetone

Concen: Below Cal

RT: 3.83 min Scan# 696

Delta R.T. 0.01 min

Lab File: VN049696.D

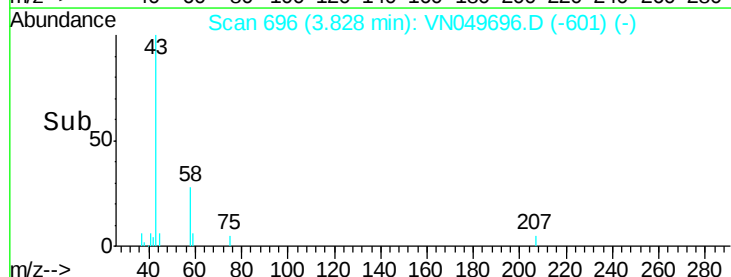
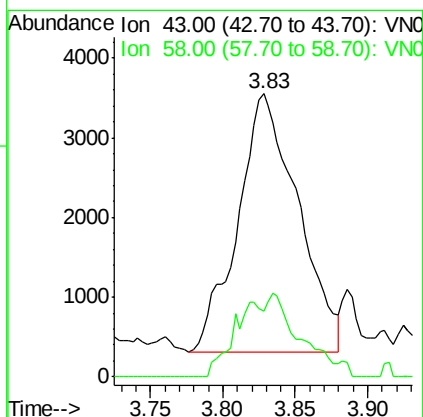
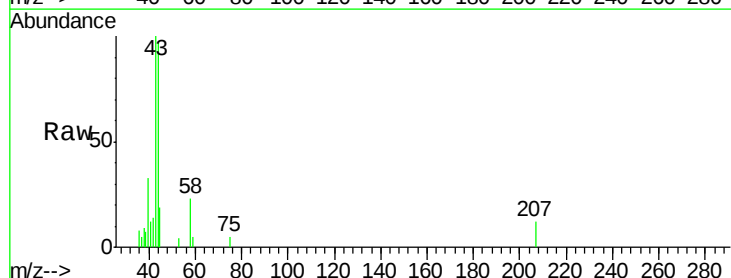
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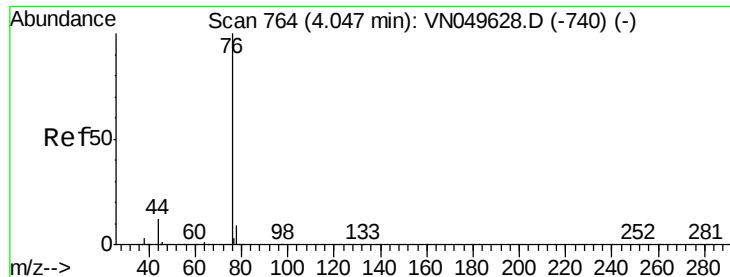
Tgt Ion: 43 Resp: 9359

Ion Ratio Lower Upper

43 100

58 25.6 25.9 38.9#

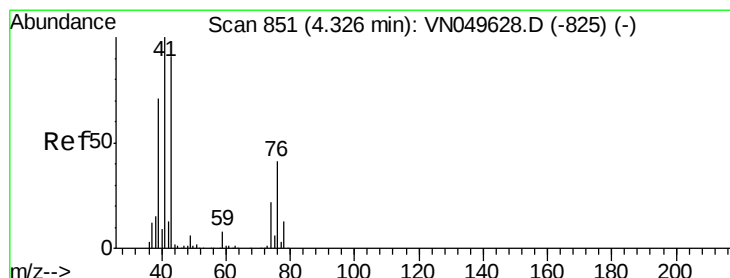
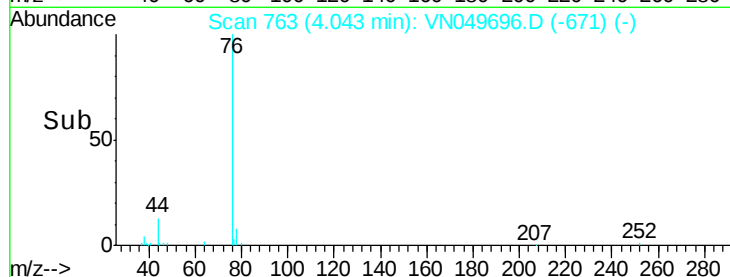
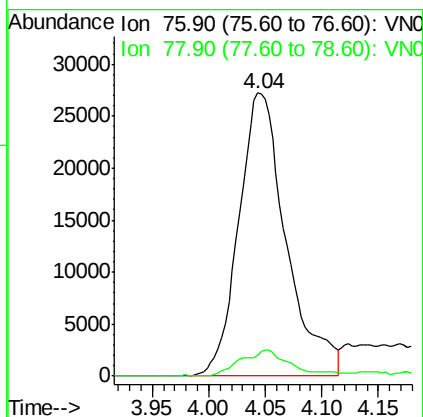
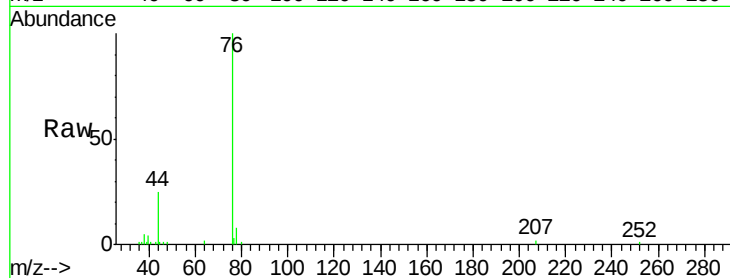




#17
Carbon Disulfide
Concen: 1.40 ug/l
RT: 4.04 min Scan# 763
Delta R.T. -0.00 min
Lab File: VN049696.D
Acq: 3 Jul 2018 16:21

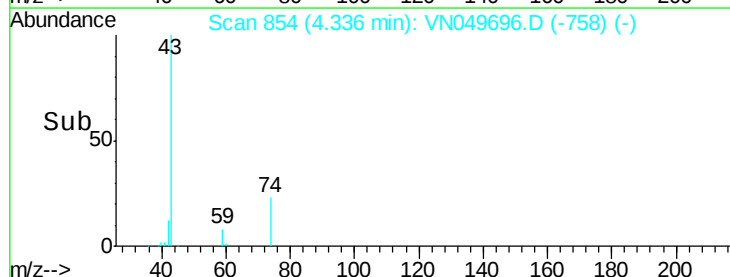
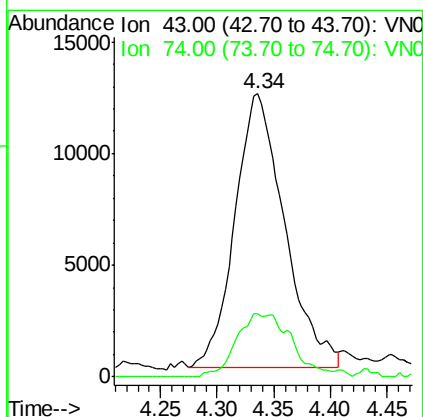
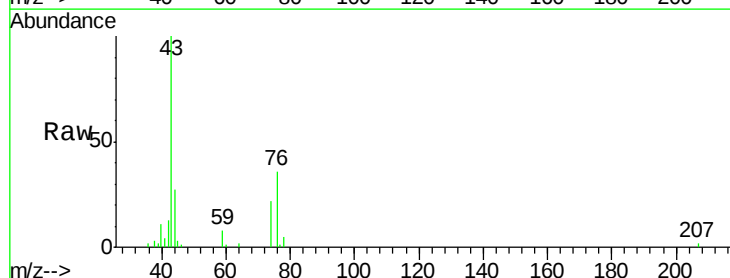
Instrument :
MSVOA_N
ClientSampled :

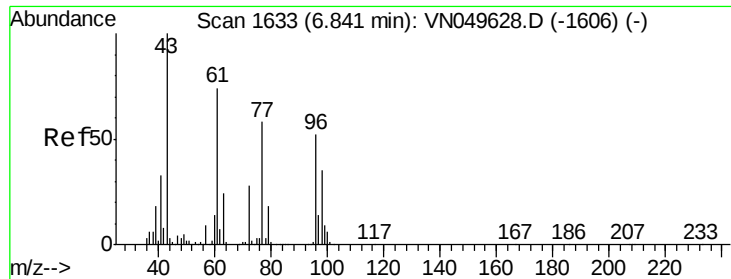
Tot Ion: 76 Resp: 79694
Ion Ratio Lower Upper
76 100
78 7.6 7.1 10.7



#18
Methyl Acetate
Concen: Below Cal
RT: 4.34 min Scan# 854
Delta R.T. 0.01 min
Lab File: VN049696.D
Acq: 3 Jul 2018 16:21

Tgt Ion: 43 Resp: 37414
Ion Ratio Lower Upper
43 100
74 13.6 19.8 29.8#

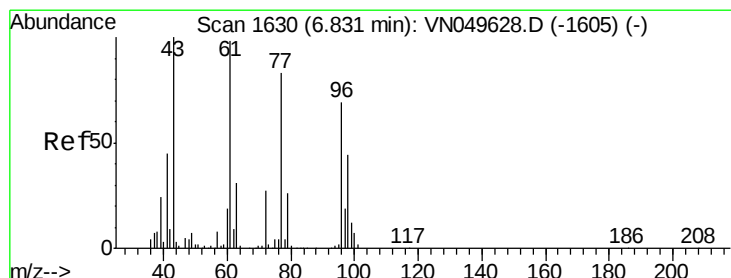
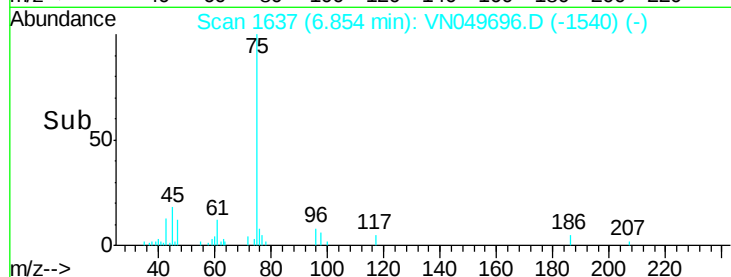
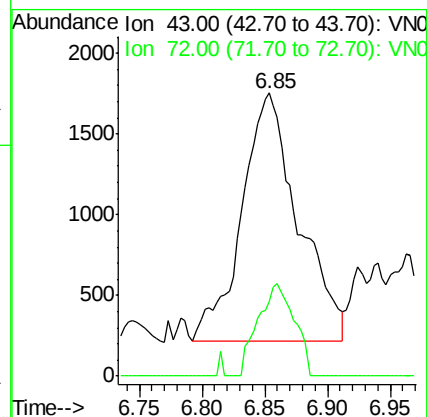
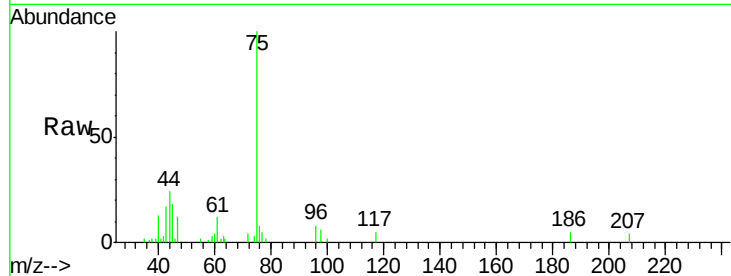




#25
2-Butanone
Concen: 0.78 ug/l
RT: 6.85 min Scan# 1637
Delta R.T. 0.01 min
Lab File: VN049696.D
Acq: 3 Jul 2018 16:21

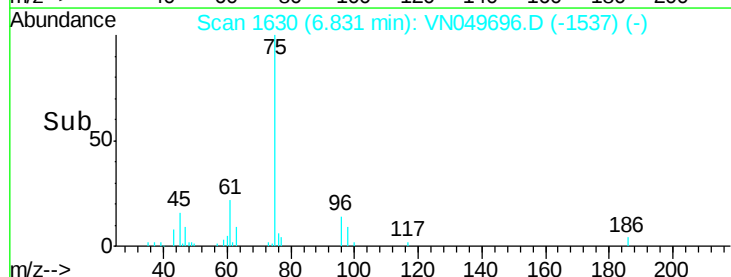
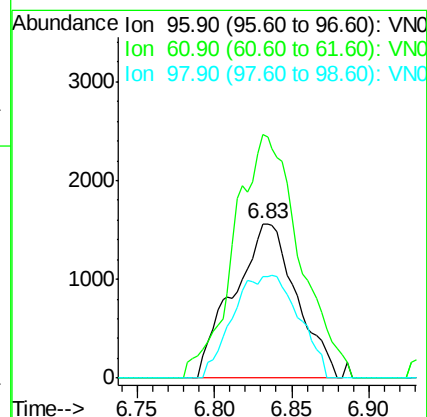
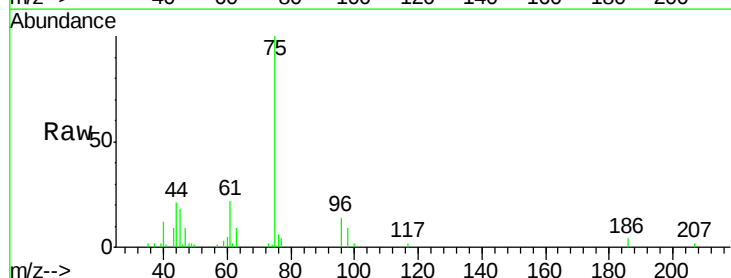
Instrument :
MSVOA_N
ClientSampled :

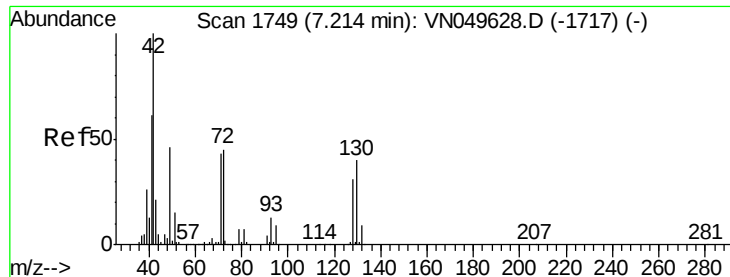
Tot Ion: 43 Resp: 4827
Ion Ratio Lower Upper
43 100
72 30.1 22.1 33.1



#27
cis-1,2-Dichloroethene
Concen: 0.23 ug/l
RT: 6.83 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VN049696.D
Acq: 3 Jul 2018 16:21

Tgt Ion: 96 Resp: 4412
Ion Ratio Lower Upper
96 100
61 163.9 0.0 289.0
98 69.7 0.0 130.2





#29

Tetrahydrofuran

Concen: 1.04 ug/l

RT: 7.22 min Scan# 1752

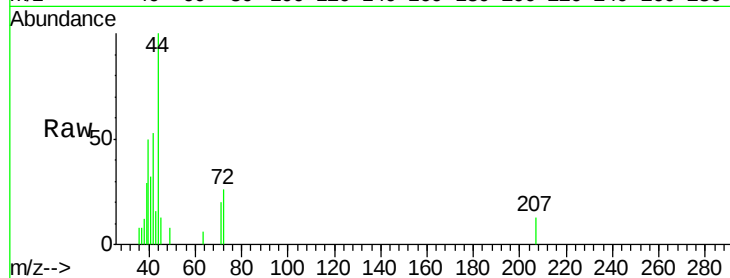
Delta R.T. 0.01 min

Lab File: VN049696.D

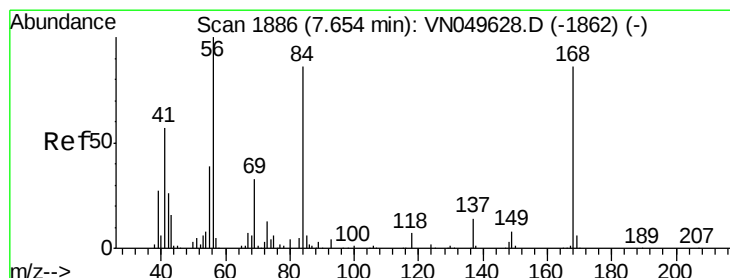
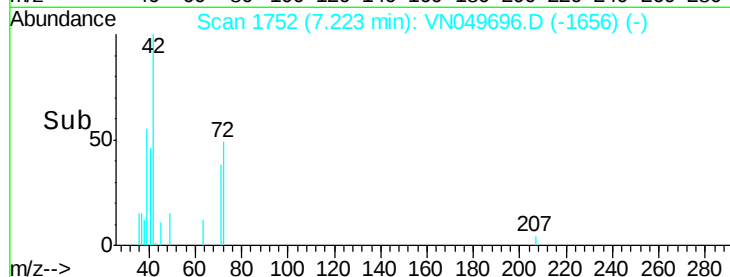
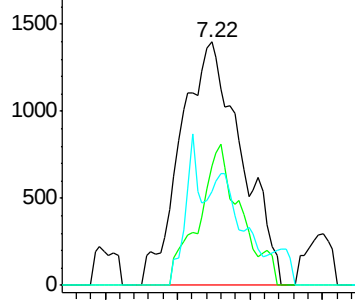
Acq: 3 Jul 2018 16:21

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	42	Resp:	4076
Ion	Ratio	Lower	Upper
42	100		
72	37.5	35.6	53.4
71	16.9	34.0	51.0#



Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0



#31

Cyclohexane

Concen: 0.21 ug/l

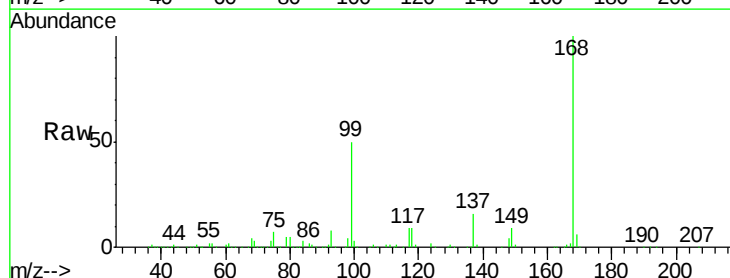
RT: 7.67 min Scan# 1891

Delta R.T. 0.02 min

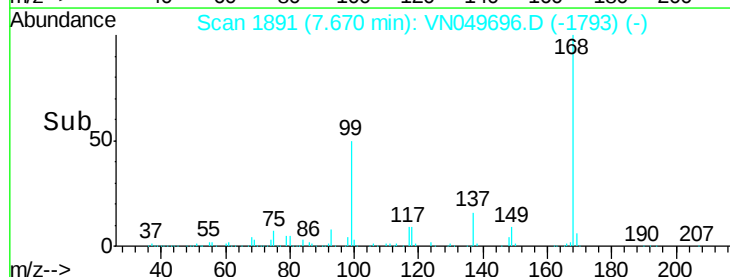
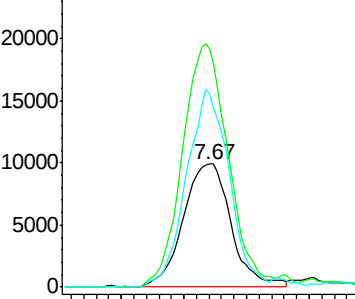
Lab File: VN049696.D

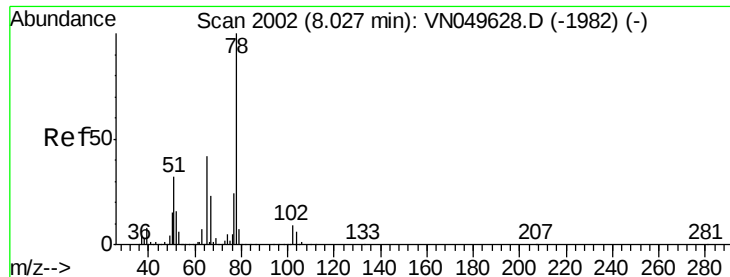
Acq: 3 Jul 2018 16:21

Tgt Ion:	56	Resp:	26232
Ion	Ratio	Lower	Upper
56	100		
69	193.7	26.6	40.0#
84	157.3	69.0	103.6#



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

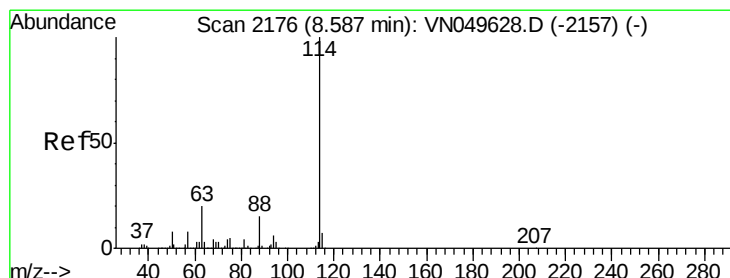
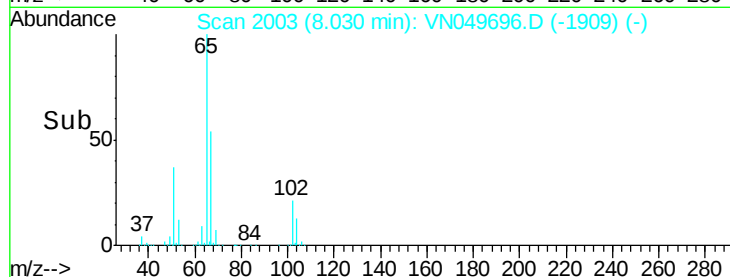
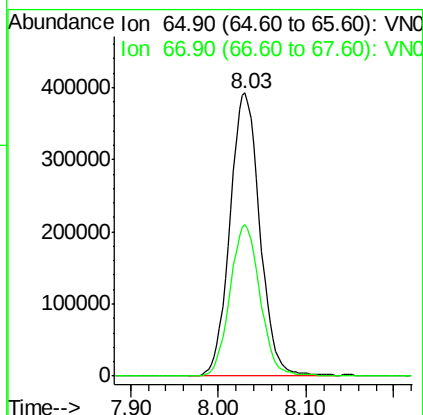
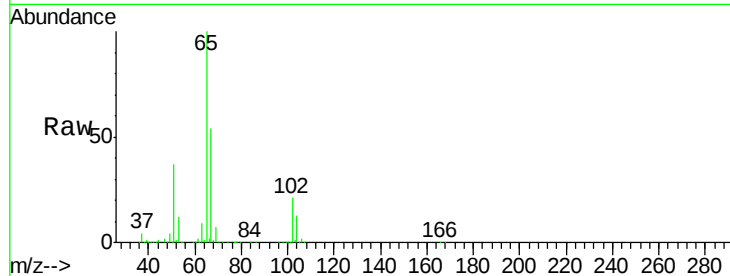




#33
 1,2-Dichloroethane-d4
 Concen: 50.10 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN049696.D
 Acq: 3 Jul 2018 16:21

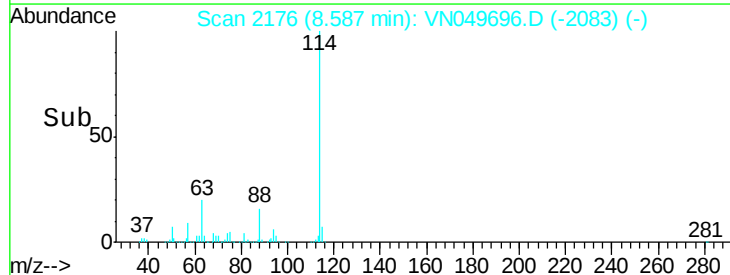
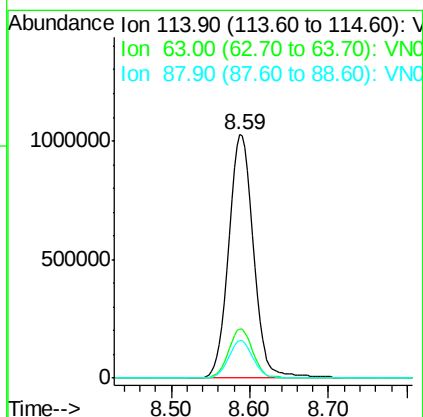
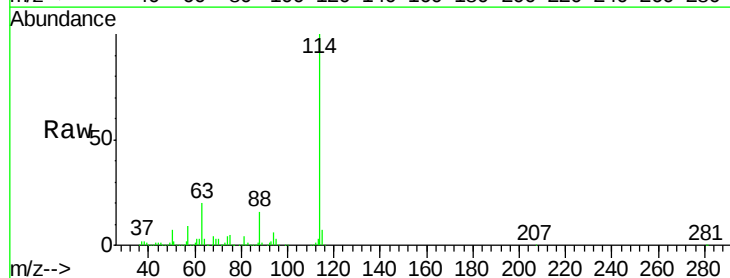
Instrument :
 MSVOA_N
 ClientSampleId :

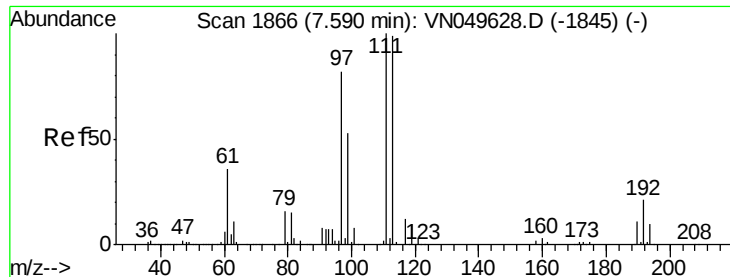
Tot Ion: 65 Resp: 931142
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049696.D
 Acq: 3 Jul 2018 16:21

Tgt Ion: 114 Resp: 2241958
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 39.8
 88 15.7 0.0 30.6

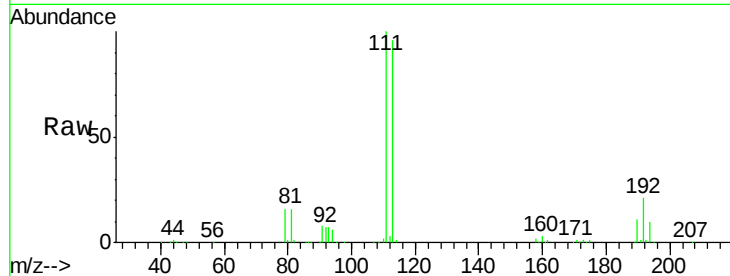




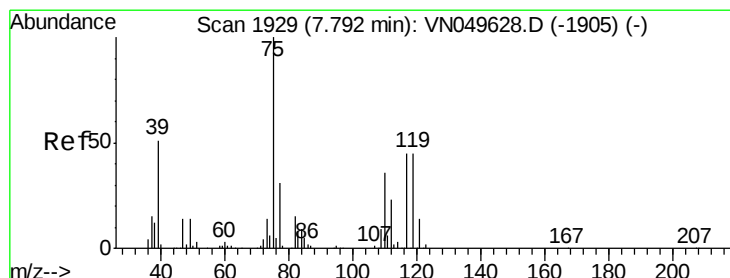
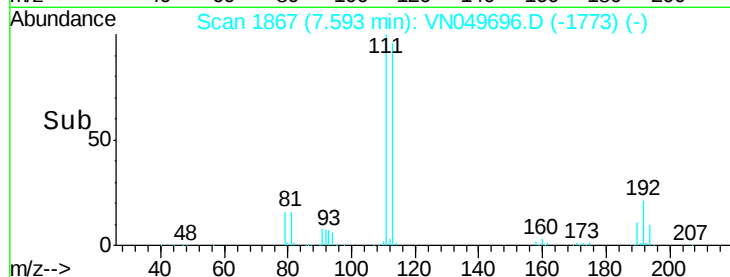
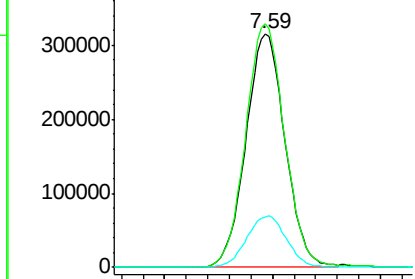
#35
Dibromofluoromethane
Concen: 47.40 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN049696.D
Acq: 3 Jul 2018 16:21

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:113 Resp: 794550
Ion Ratio Lower Upper
113 100
111 103.8 81.8 122.8
192 22.4 17.8 26.6

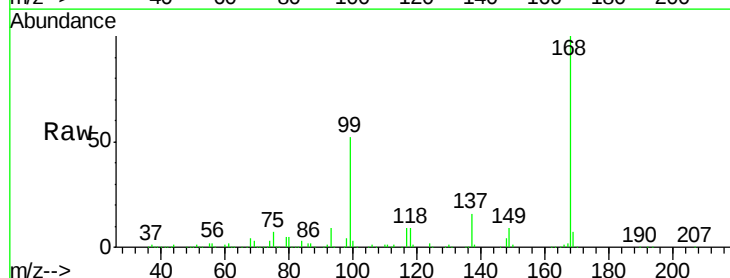


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

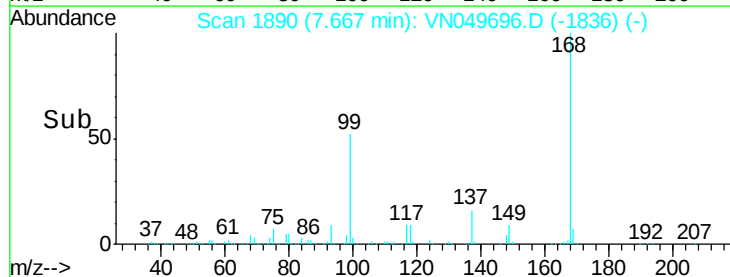
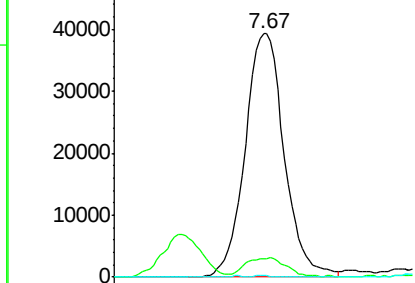


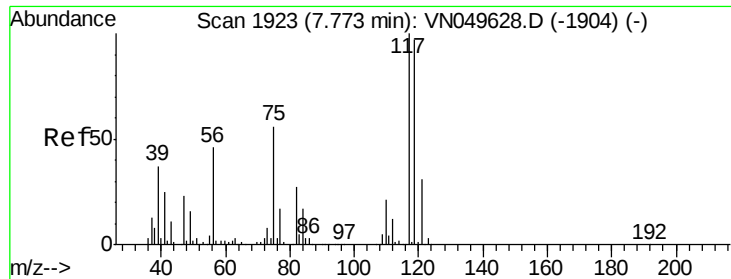
#36
1,1-Dichloropropene
Concen: 3.82 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.13 min
Lab File: VN049696.D
Acq: 3 Jul 2018 16:21

Tgt Ion: 75 Resp: 96366
Ion Ratio Lower Upper
75 100
110 8.3 18.1 54.4#
77 0.2 24.9 37.3#



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V

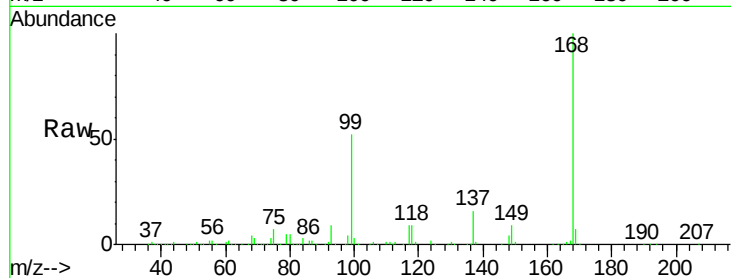




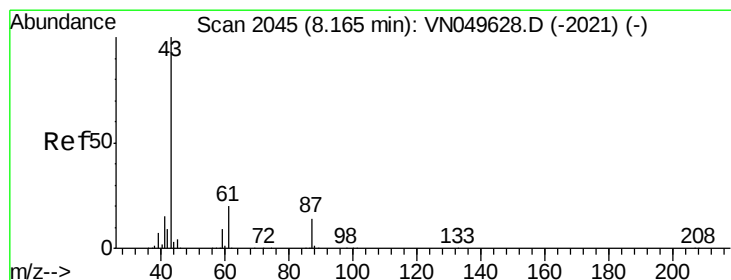
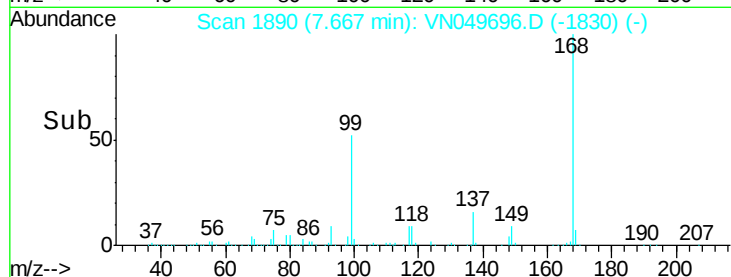
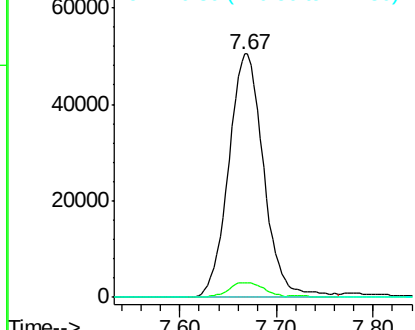
#38
Carbon Tetrachloride
Concen: 5.18 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.11 min
Lab File: VN049696.D
Acq: 3 Jul 2018 16:21

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 127197
Ion Ratio Lower Upper
117 100
119 6.0 77.2 115.8#
121 0.0 25.0 37.6#

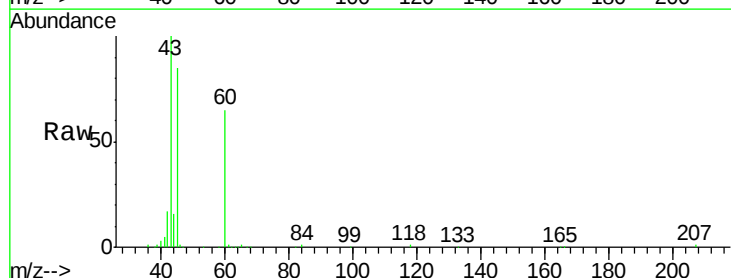


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

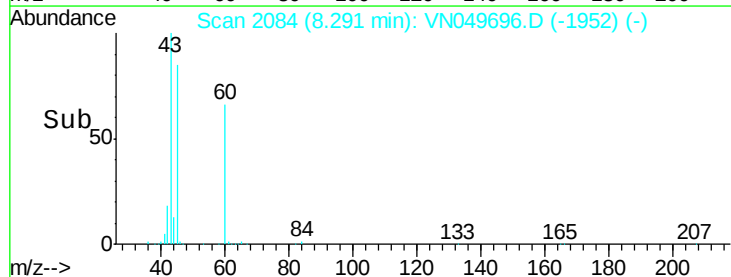
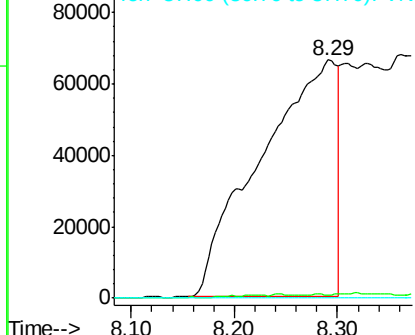


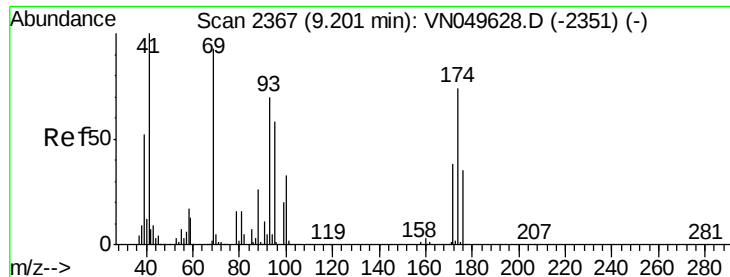
#43
Isopropyl Acetate
Concen: 11.18 ug/l
RT: 8.29 min Scan# 2084
Delta R.T. 0.13 min
Lab File: VN049696.D
Acq: 3 Jul 2018 16:21

Tgt Ion: 43 Resp: 339669
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

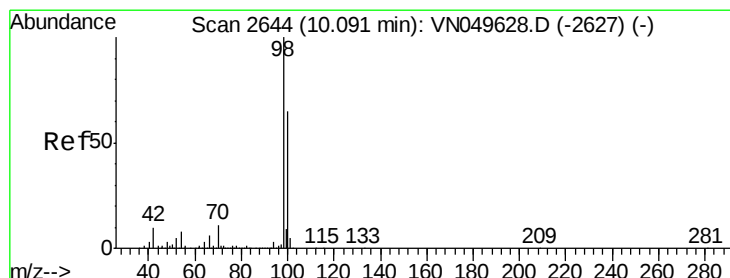
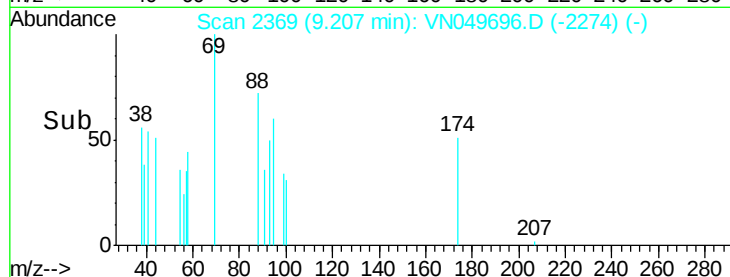
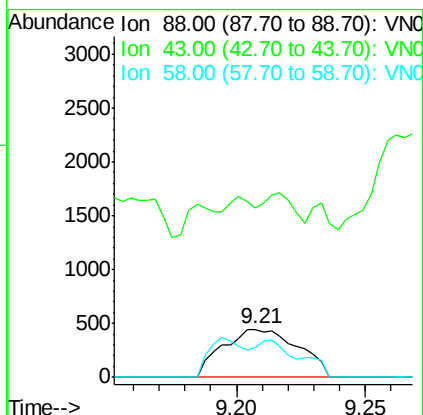
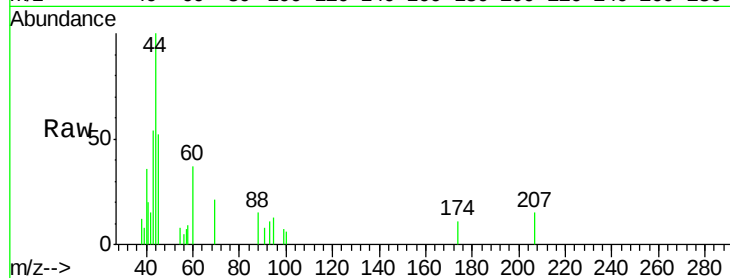




#49
1,4-Dioxane
Concen: 5.19 ug/l
RT: 9.21 min Scan# 2369
Delta R.T. 0.01 min
Lab File: VN049696.D
Acq: 3 Jul 2018 16:21

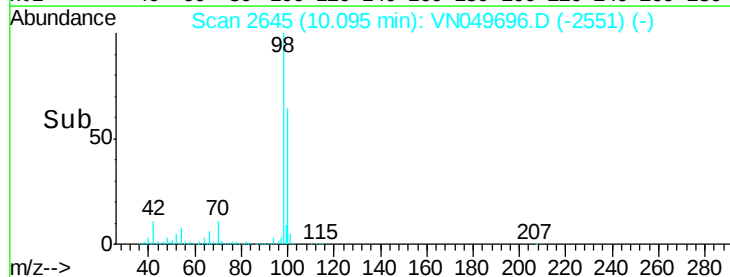
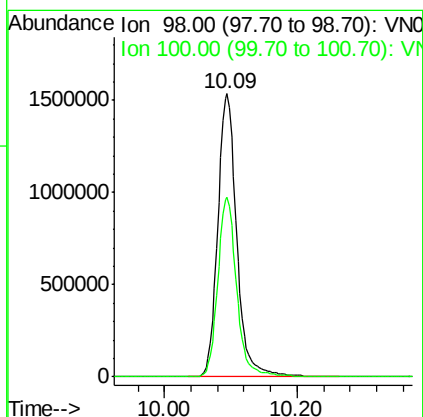
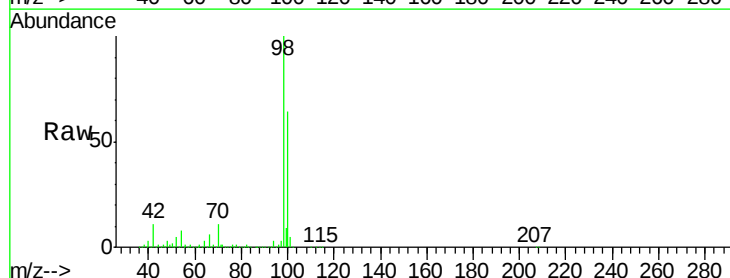
Instrument :
MSVOA_N
ClientSampled :

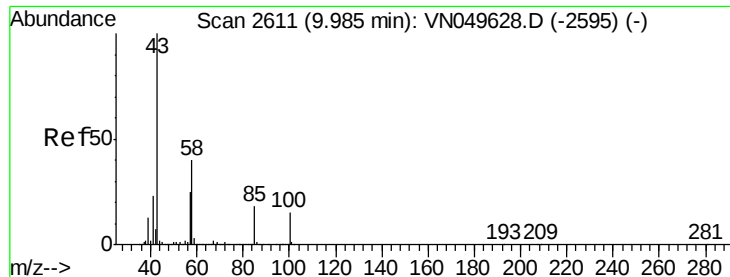
Tot Ion: 88 Resp: 912
Ion Ratio Lower Upper
88 100
43 0.0 25.1 37.7#
58 39.7 52.5 78.7#



#50
Toluene-d8
Concen: 46.47 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN049696.D
Acq: 3 Jul 2018 16:21

Tgt Ion: 98 Resp: 3048590
Ion Ratio Lower Upper
98 100
100 63.2 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 0.45 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. 0.00 min

Lab File: VN049696.D

Acq: 3 Jul 2018 16:21

Instrument :

MSVOA_N

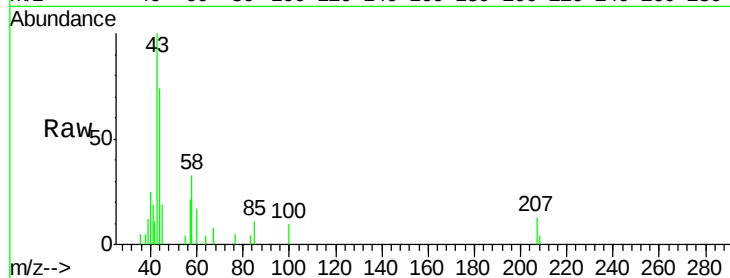
ClientSampled :

Tot Ion: 43 Resp: 6491

Ion Ratio Lower Upper

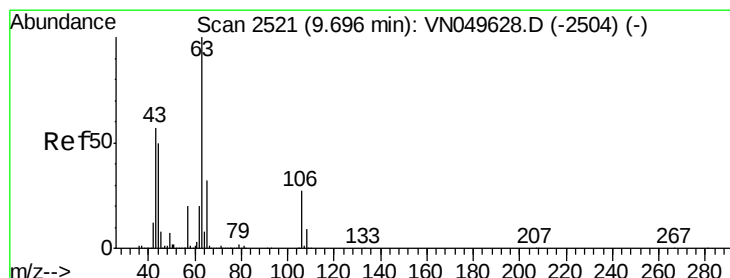
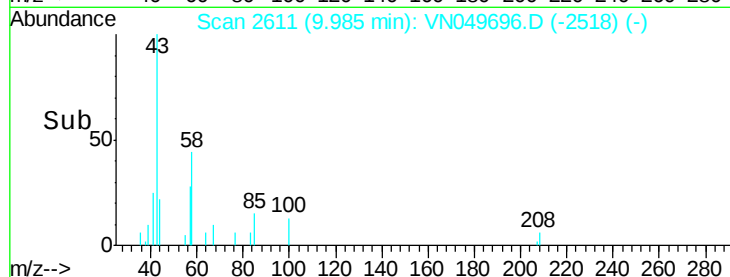
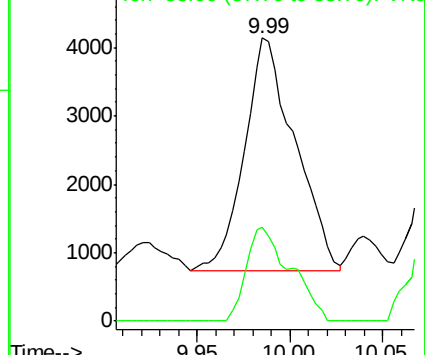
43 100

58 34.9 31.8 47.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 10.85 ug/l

RT: 9.71 min Scan# 2526

Delta R.T. 0.02 min

Lab File: VN049696.D

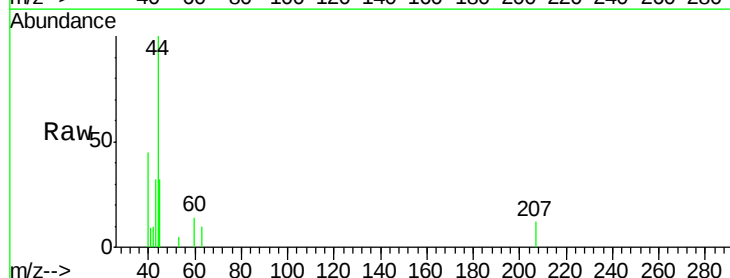
Acq: 3 Jul 2018 16:21

Tgt Ion: 63 Resp: 266

Ion Ratio Lower Upper

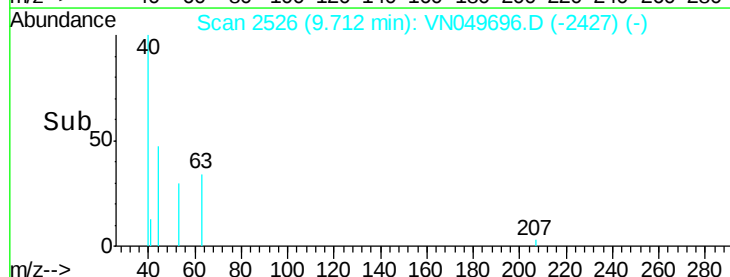
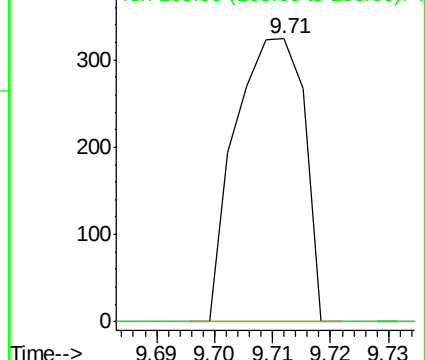
63 100

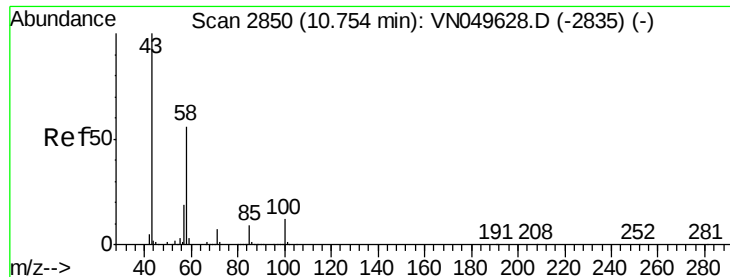
106 0.0 21.8 32.8#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





#59

2-Hexanone

Concen: 0.86 ug/l

RT: 10.76 min Scan# 2852

Delta R.T. 0.01 min

Lab File: VN049696.D

Acq: 3 Jul 2018 16:21

Instrument :

MSVOA_N

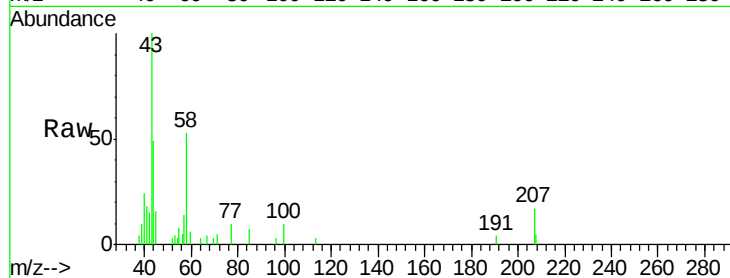
ClientSampled :

Tot Ion: 43 Resp: 8211

Ion Ratio Lower Upper

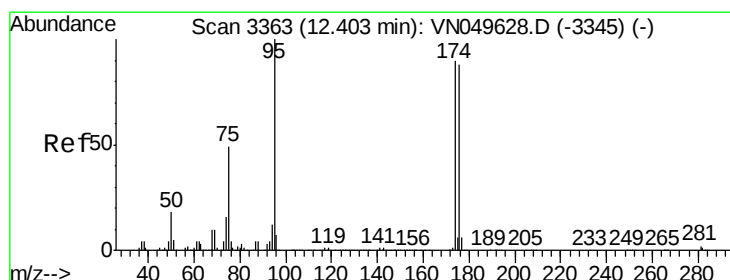
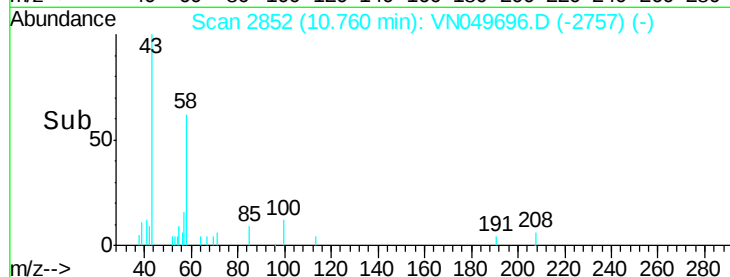
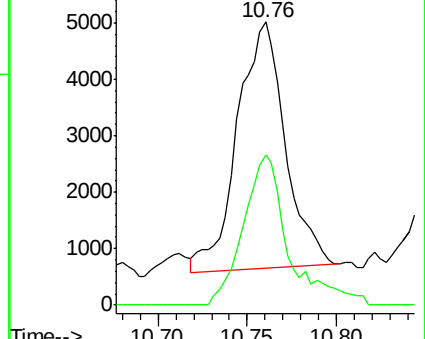
43 100

58 56.9 27.8 83.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#62

4-Bromofluorobenzene

Concen: 41.10 ug/l

RT: 12.41 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN049696.D

Acq: 3 Jul 2018 16:21

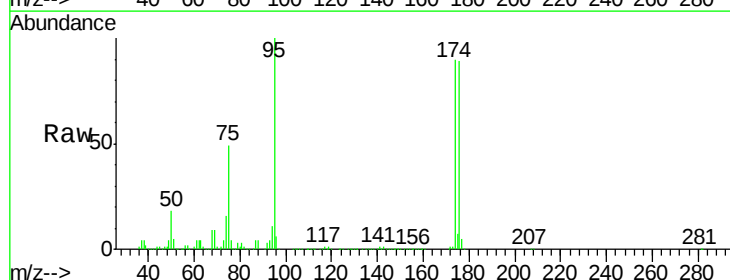
Tgt Ion: 95 Resp: 920502

Ion Ratio Lower Upper

95 100

174 90.7 0.0 179.6

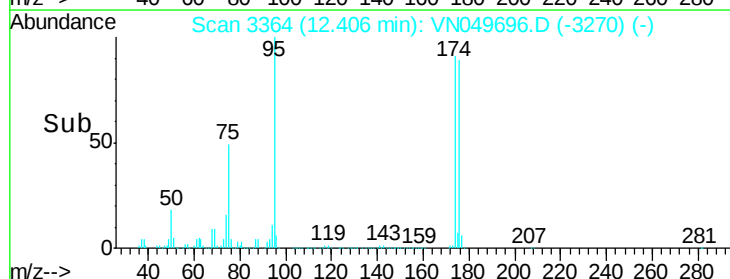
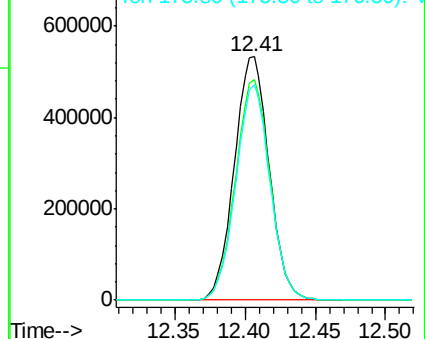
176 87.3 0.0 174.0

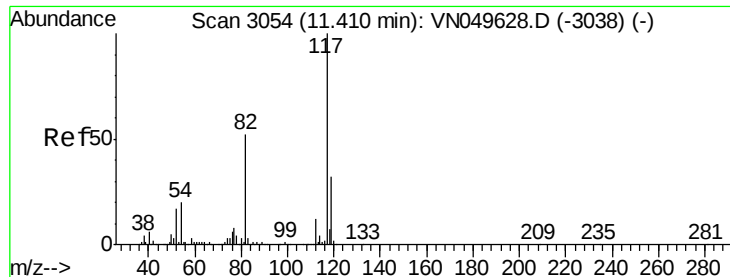


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

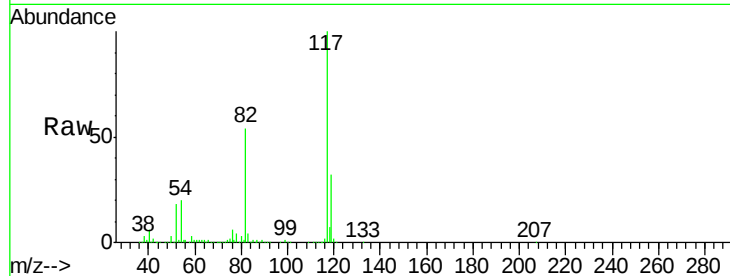




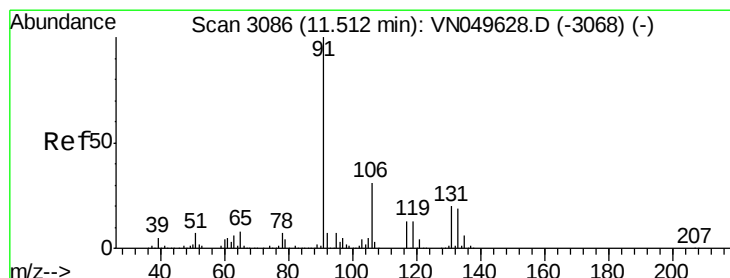
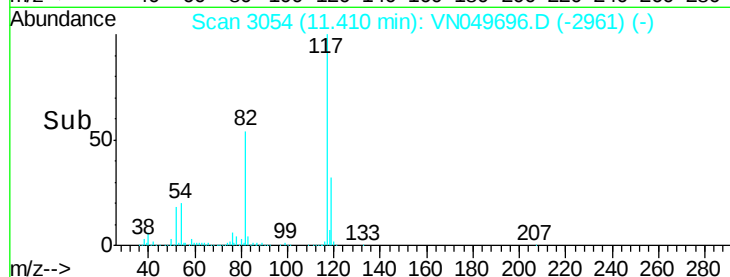
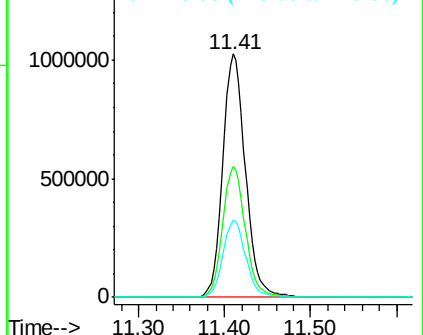
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049696.D
Acq: 3 Jul 2018 16:21

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 1874920
Ion Ratio Lower Upper
117 100
82 53.6 41.9 62.9
119 31.7 25.4 38.2

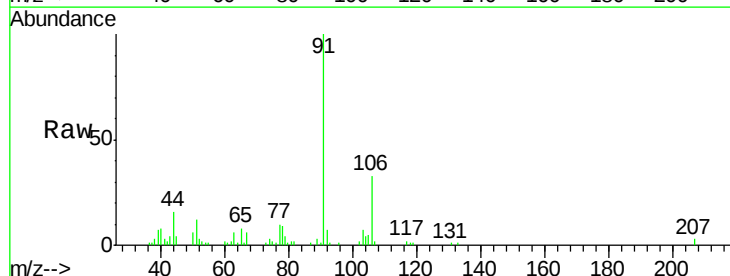


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

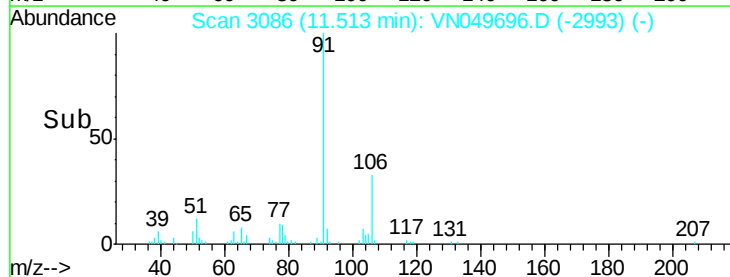
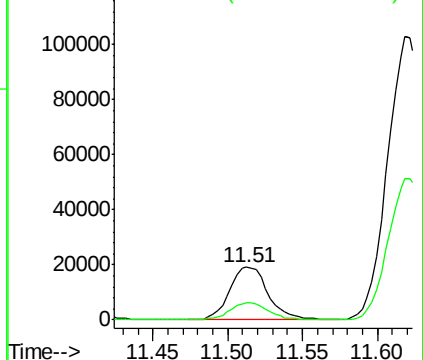


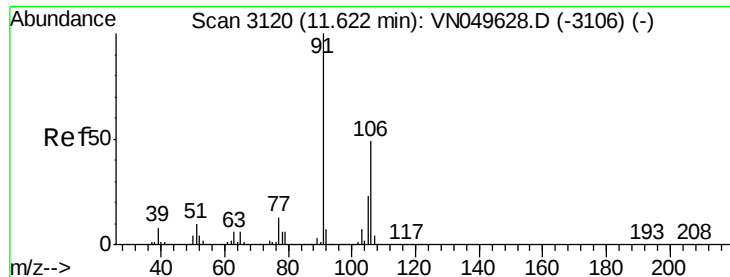
#67
Ethyl Benzene
Concen: 0.43 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN049696.D
Acq: 3 Jul 2018 16:21

Tgt Ion: 91 Resp: 34508
Ion Ratio Lower Upper
91 100
106 33.5 24.8 37.2



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





#68

m/p-Xvlenes

Concen: 3.19 ug/l

RT: 11.62 min Scan# 3119

Delta R.T. -0.00 min

Lab File: VN049696.D

Acq: 3 Jul 2018 16:21

Instrument :

MSVOA_N

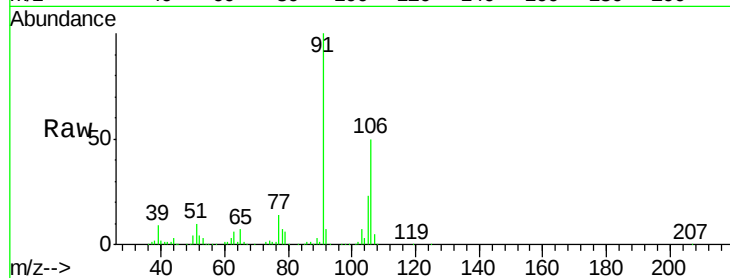
ClientSampleId :

Tot Ion:106 Resp: 98825

Ion Ratio Lower Upper

106 100

91 197.7 163.4 245.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

120000

100000

80000

60000

40000

20000

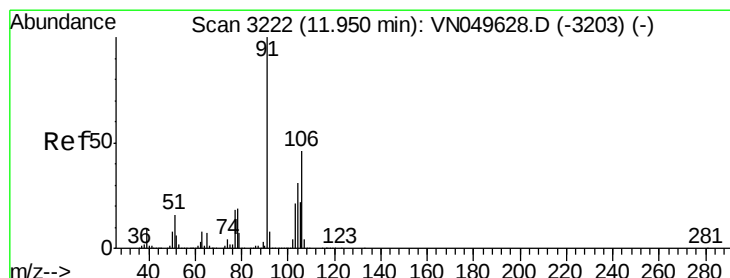
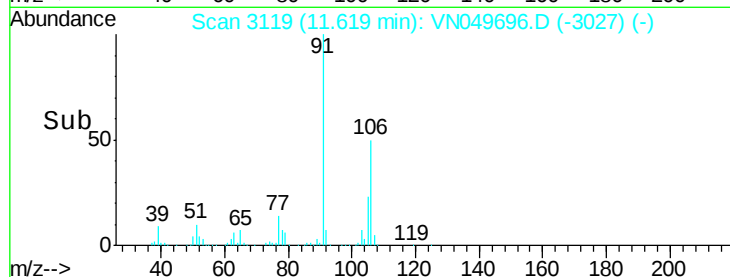
0

11.62

11.60

11.70

Time-->



#69

o-Xylene

Concen: 4.02 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN049696.D

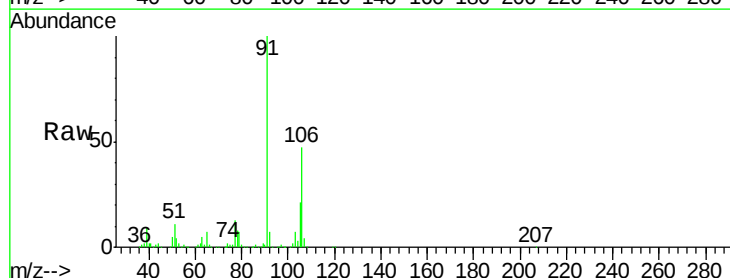
Acq: 3 Jul 2018 16:21

Tgt Ion:106 Resp: 119281

Ion Ratio Lower Upper

106 100

91 215.4 108.7 326.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

150000

100000

50000

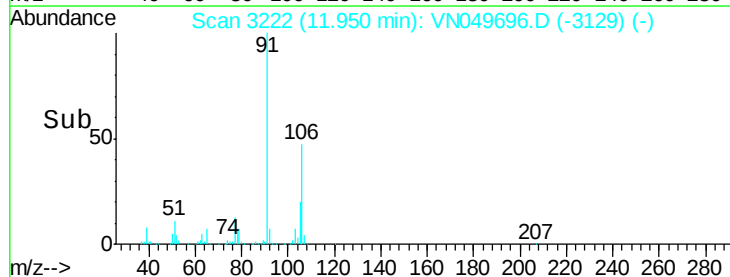
0

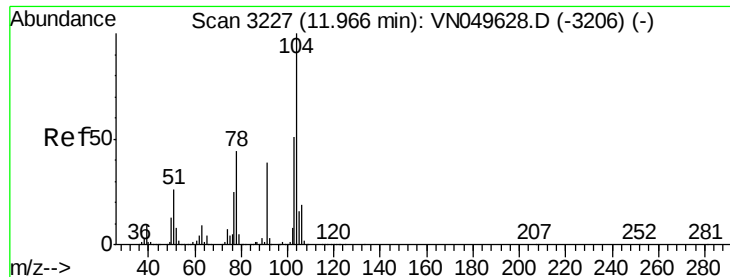
11.95

11.90

12.00

Time-->





#70

Stvrene

Concen: 0.25 ug/l

RT: 11.95 min Scan# 3221

Delta R.T. -0.02 min

Lab File: VN049696.D

Acq: 3 Jul 2018 16:21

Instrument :

MSVOA_N

ClientSampleId :

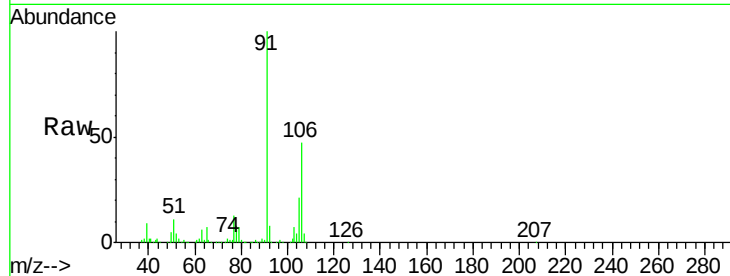
Tot Ion:104 Resp: 12118

Ion Ratio Lower Upper

104 100

78 160.5 39.2 58.8#

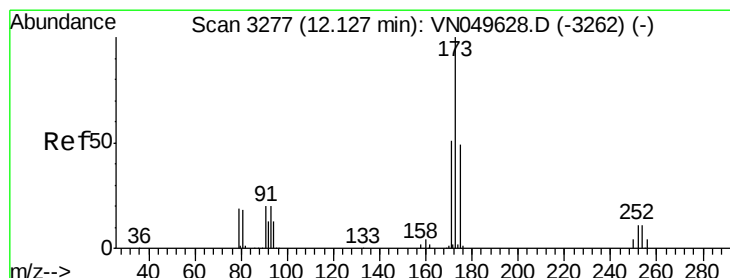
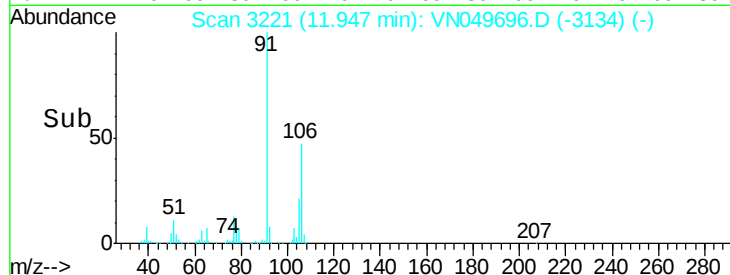
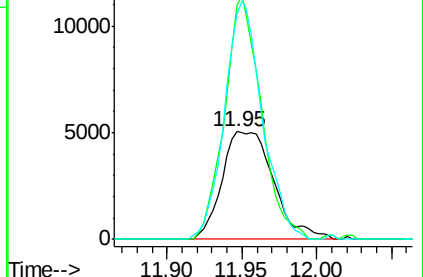
103 162.5 44.6 67.0#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 0.62 ug/l

RT: 12.41 min Scan# 3364

Delta R.T. 0.28 min

Lab File: VN049696.D

Acq: 3 Jul 2018 16:21

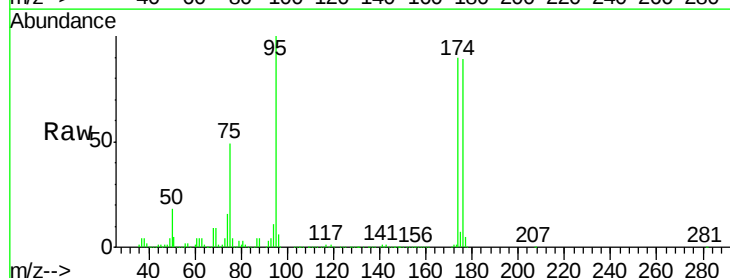
Tgt Ion:173 Resp: 7262

Ion Ratio Lower Upper

173 100

175 643.6 24.6 73.8#

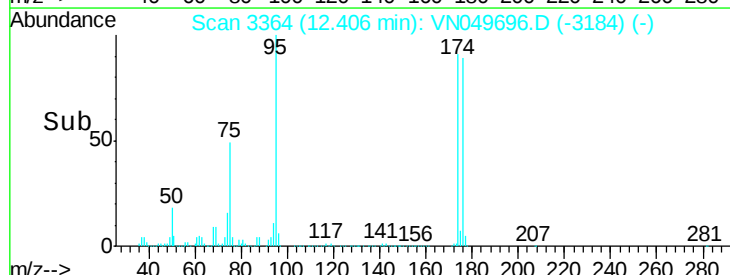
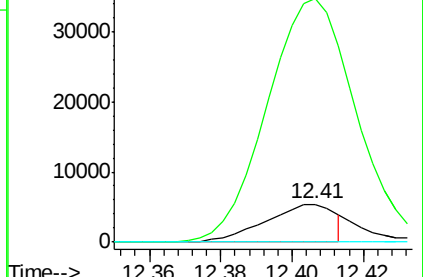
254 0.0 0.2 0.2#

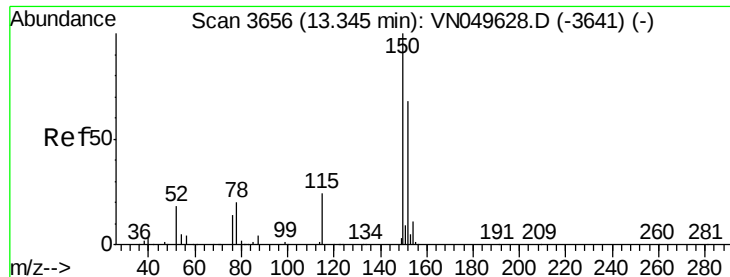


Abundance Ion 172.70 (172.40 to 173.40): V

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: VN049696.D

Acq: 3 Jul 2018 16:21

Instrument :

MSVOA_N

ClientSampleId :

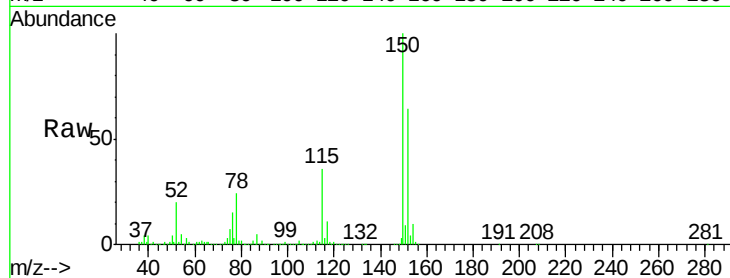
Tot Ion:152 Resp: 769494

Ion Ratio Lower Upper

152 100

115 66.8 28.1 84.2

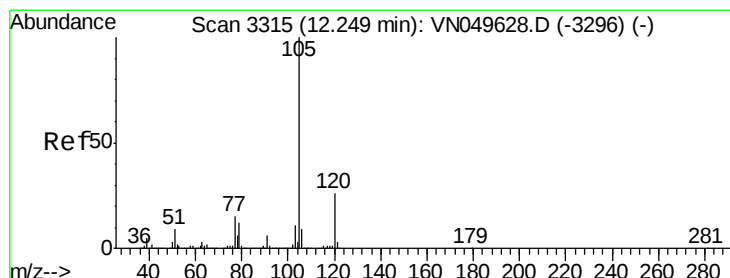
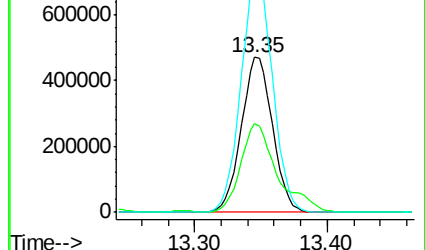
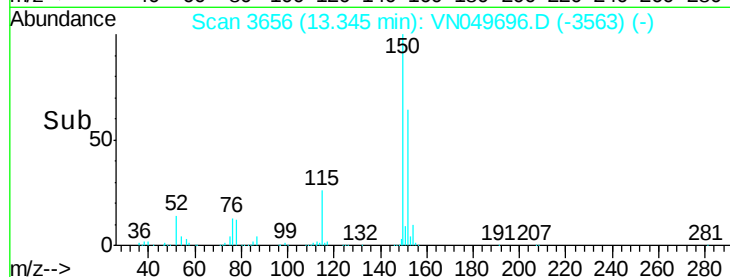
150 155.7 0.0 347.6



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: 1.23 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049696.D

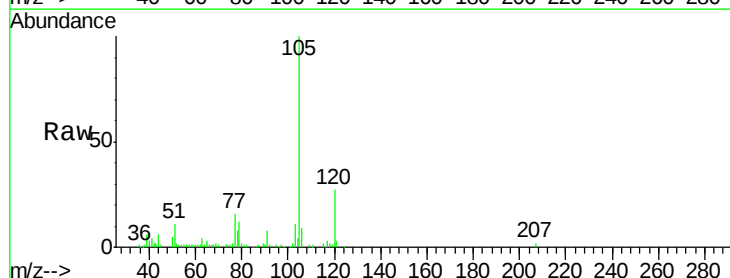
Acq: 3 Jul 2018 16:21

Tgt Ion:105 Resp: 75617

Ion Ratio Lower Upper

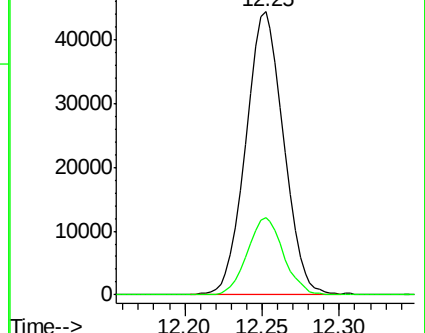
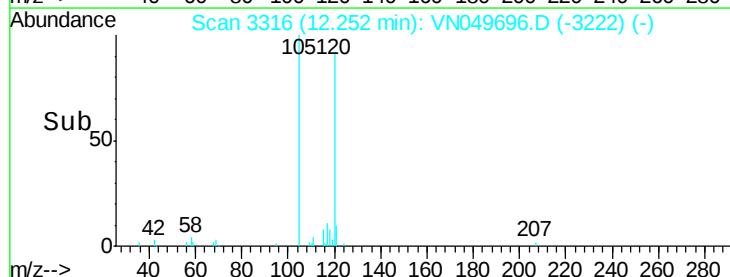
105 100

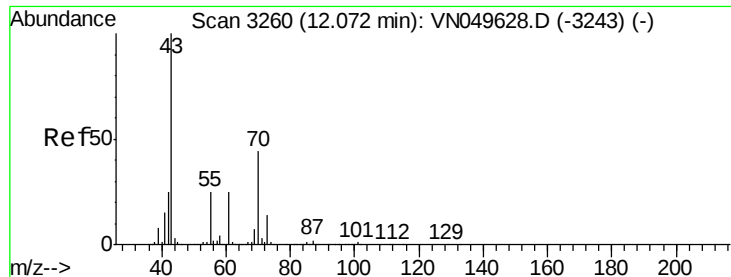
120 26.0 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.27 ug/l

RT: 12.08 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN049696.D

Acq: 3 Jul 2018 16:21

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 4542

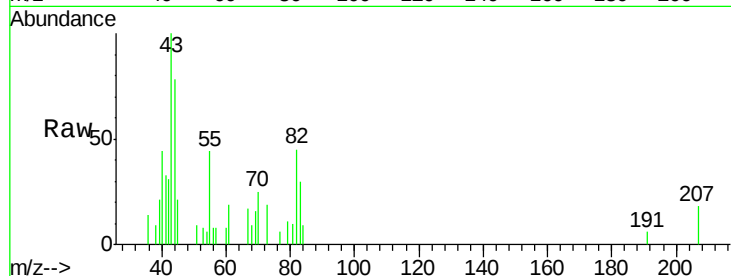
Ion Ratio Lower Upper

43 100

70 0.0 34.8 52.2#

55 28.5 20.9 31.3

61 0.0 19.9 29.9#

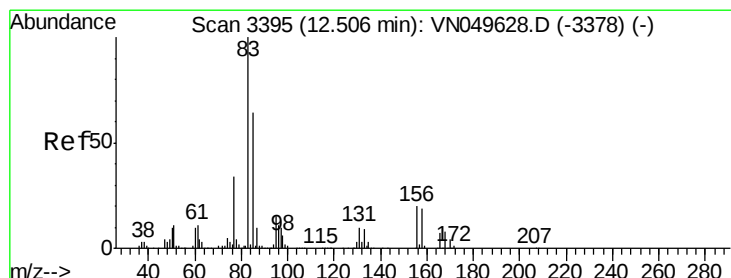
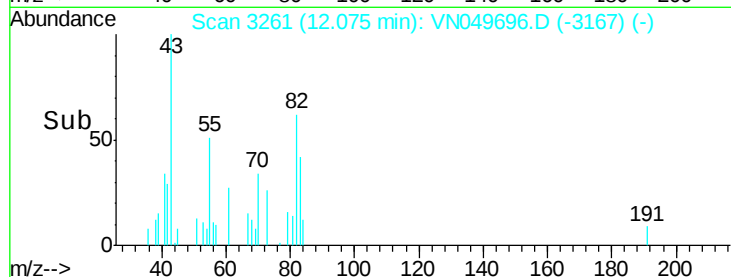
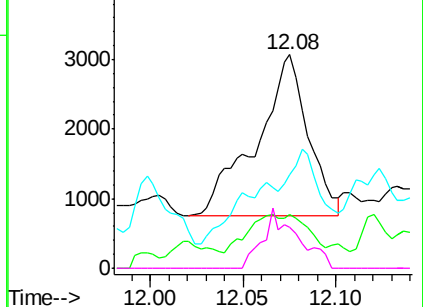


Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049696.D

Acq: 3 Jul 2018 16:21

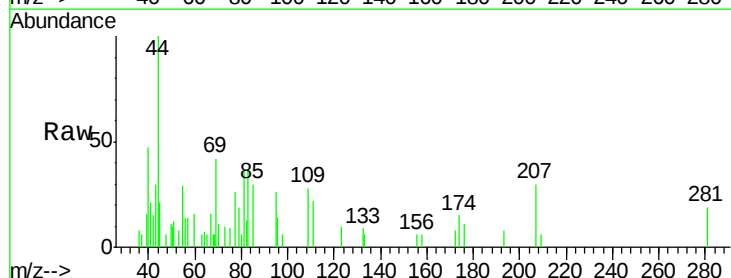
Tgt Ion: 83 Resp: 1284

Ion Ratio Lower Upper

83 100

131 0.0 5.2 15.6#

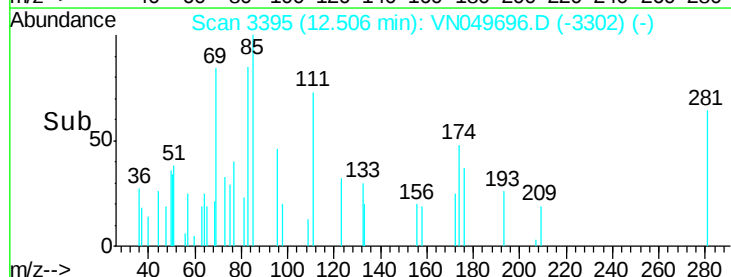
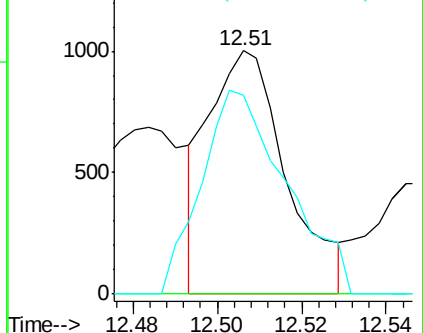
85 92.1 32.5 97.4

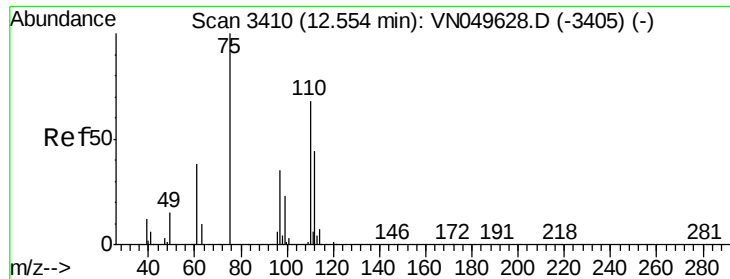


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 36.61 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049696.D

Acq: 3 Jul 2018 16:21

Instrument :

MSVOA_N

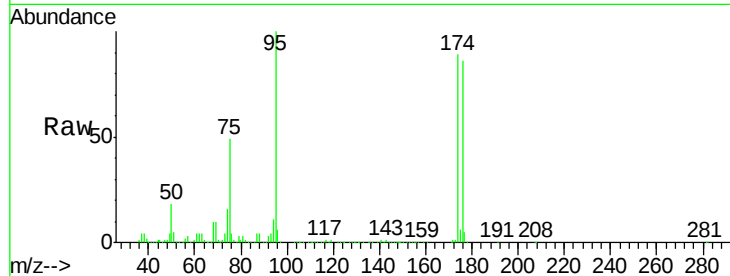
ClientSampleId :

Tot Ion: 75 Resp: 451747

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

12.40

250000

200000

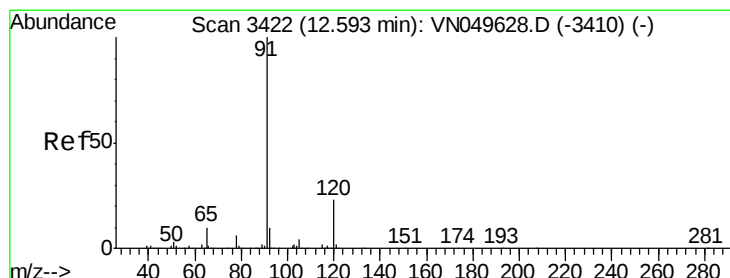
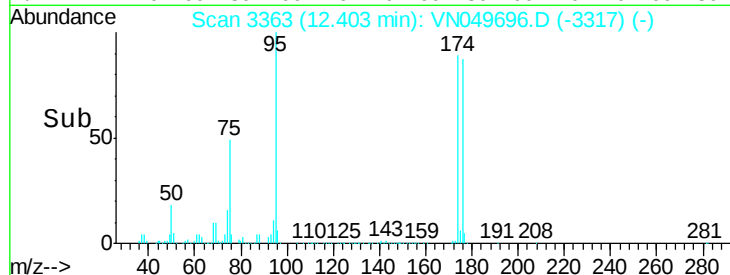
150000

100000

50000

0

Time-->



#78

n-propylbenzene

Concen: 2.80 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049696.D

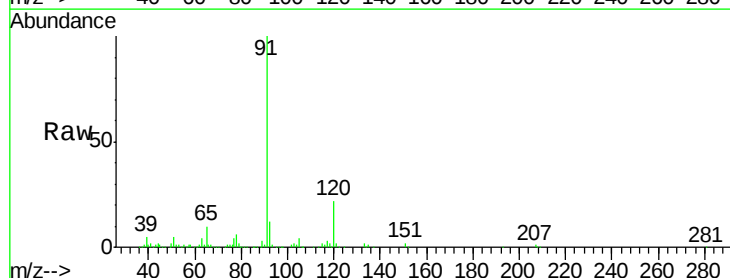
Acq: 3 Jul 2018 16:21

Tgt Ion: 91 Resp: 196373

Ion Ratio Lower Upper

91 100

120 22.3 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

250000

200000

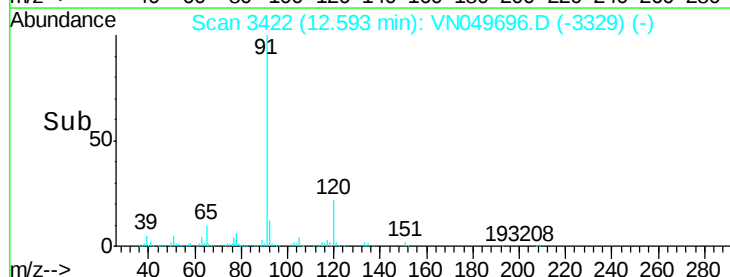
150000

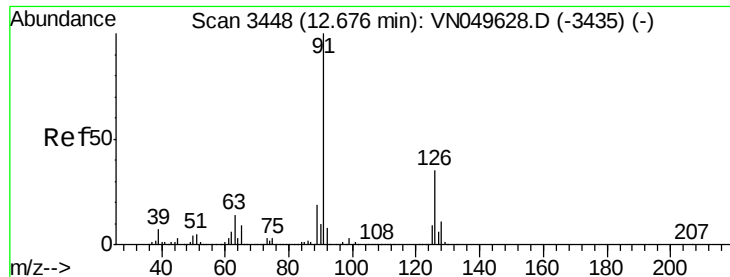
100000

50000

0

Time-->





#79

2-Chlorotoluene

Concen: 4.25 ug/l

RT: 12.66 min Scan# 3443

Delta R.T. -0.02 min

Lab File: VN049696.D

Acq: 3 Jul 2018 16:21

Instrument :

MSVOA_N

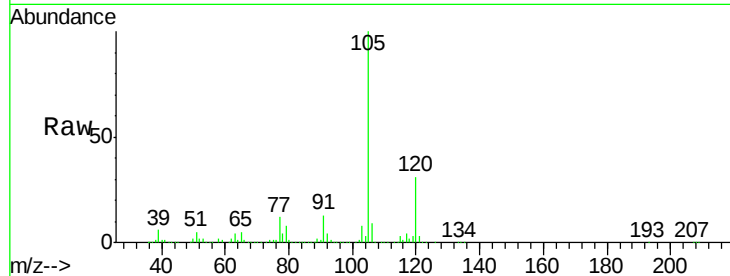
ClientSampled :

Tot Ion: 91 Resp: 189070

Ion Ratio Lower Upper

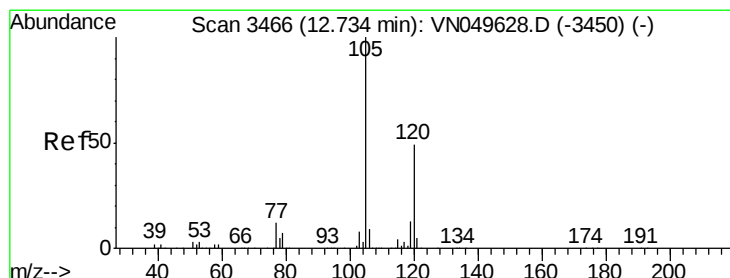
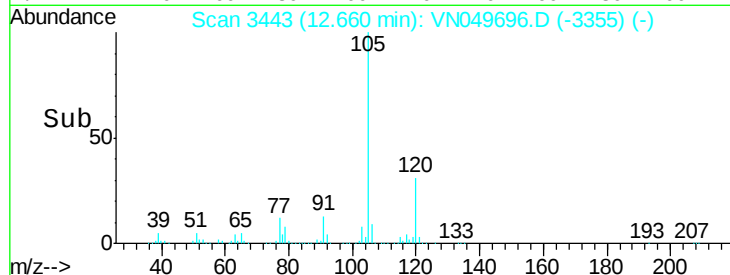
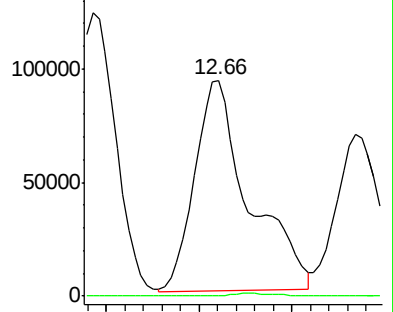
91 100

126 1.1 17.5 52.5#



Abundance Ion 91.00 (90.70 to 91.70): VN049628.D (-3435) (-)

Ion 125.90 (125.60 to 126.60): VN049628.D (-3435) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.66 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049696.D

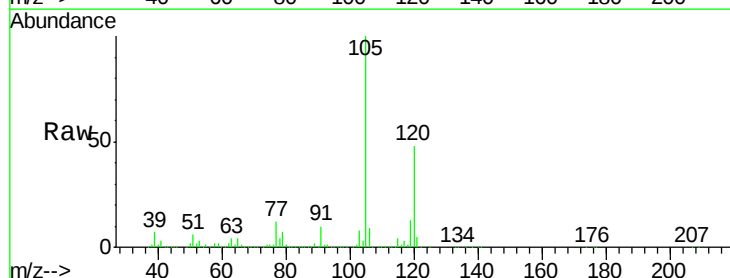
Acq: 3 Jul 2018 16:21

Tgt Ion:105 Resp: 1103084

Ion Ratio Lower Upper

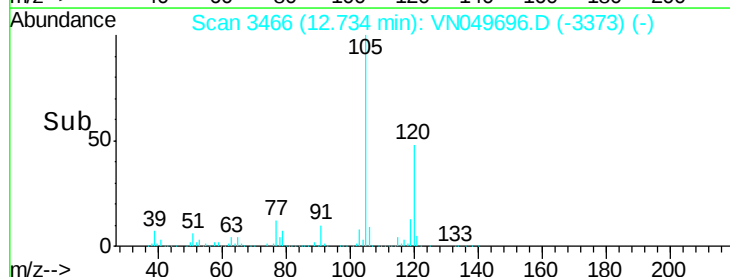
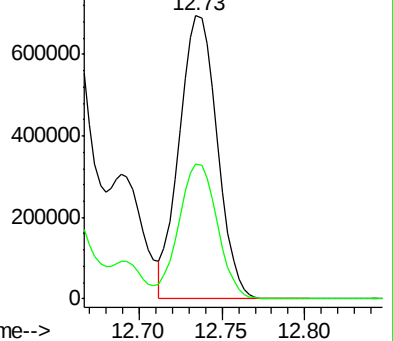
105 100

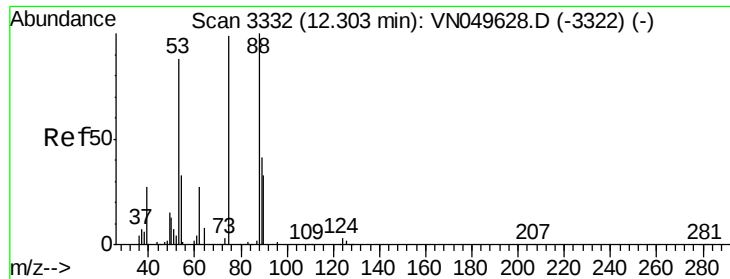
120 48.6 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VN049628.D (-3450) (-)

Ion 120.00 (119.70 to 120.70): VN049628.D (-3450) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 124.33 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049696.D

Acq: 3 Jul 2018 16:21

Instrument :

MSVOA_N

ClientSampleId :

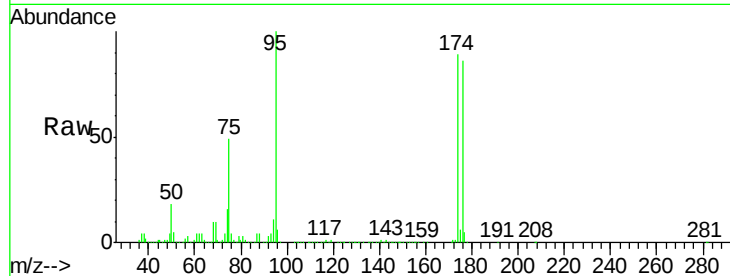
Tot Ion: 75 Resp: 451747

Ion Ratio Lower Upper

75 100

53 0.2 73.9 110.9#

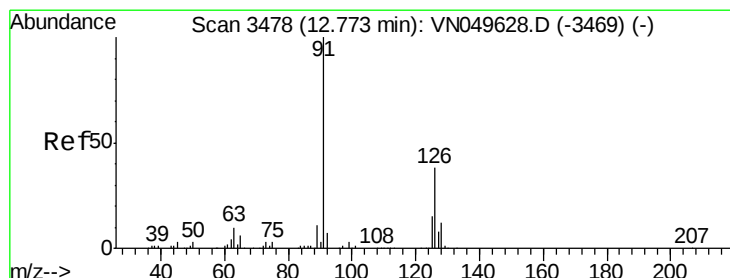
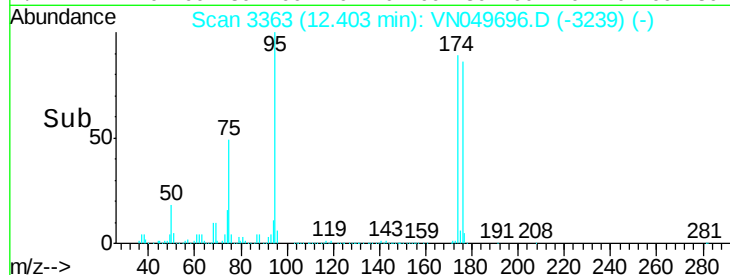
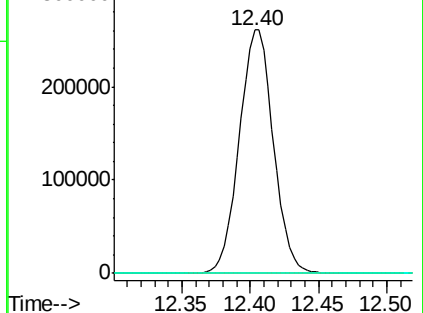
89 0.0 35.9 53.9#



Abundance Ion 74.90 (74.60 to 75.60): VN049696.D (-3363) (-)

Ion 53.00 (52.70 to 53.70): VN049696.D (-3363) (-)

Ion 88.90 (88.60 to 89.60): VN049696.D (-3363) (-)



#82

4-Chlorotoluene

Concen: 2.28 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.04 min

Lab File: VN049696.D

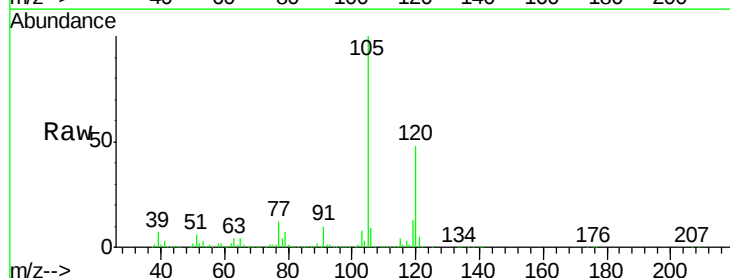
Acq: 3 Jul 2018 16:21

Tgt Ion: 91 Resp: 102086

Ion Ratio Lower Upper

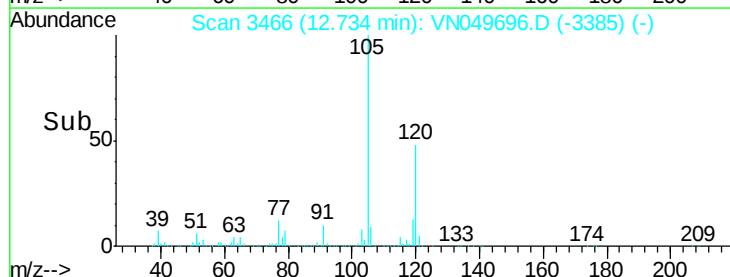
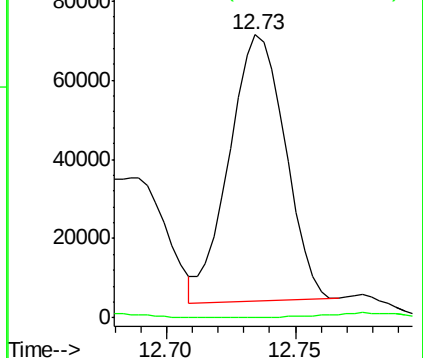
91 100

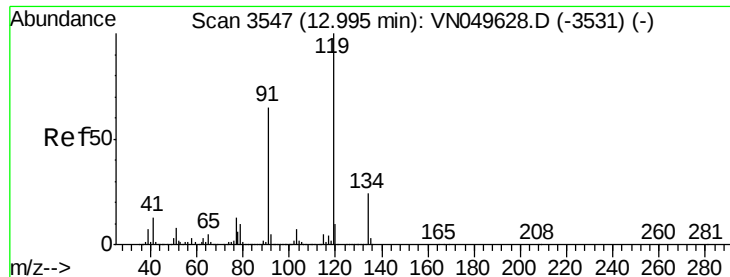
126 0.0 17.2 51.6#



Abundance Ion 91.00 (90.70 to 91.70): VN049696.D (-3466) (-)

Ion 125.90 (125.60 to 126.60): VN049696.D (-3466) (-)

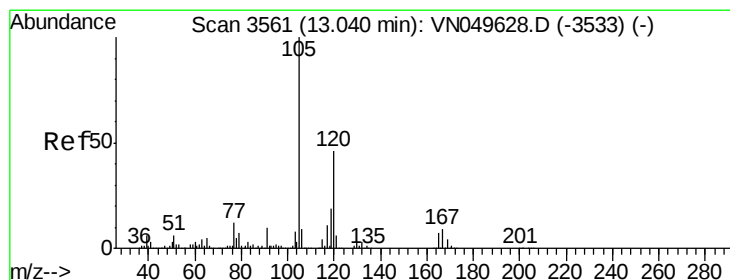
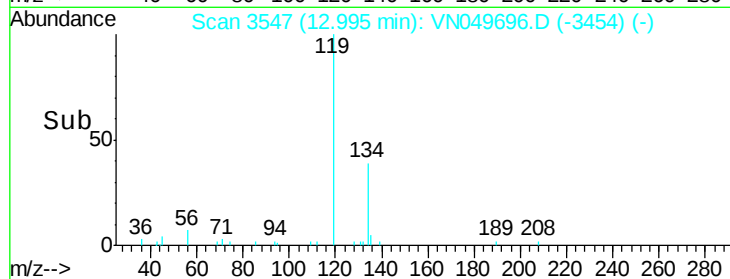
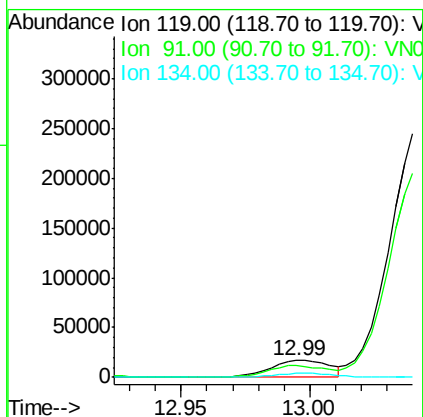
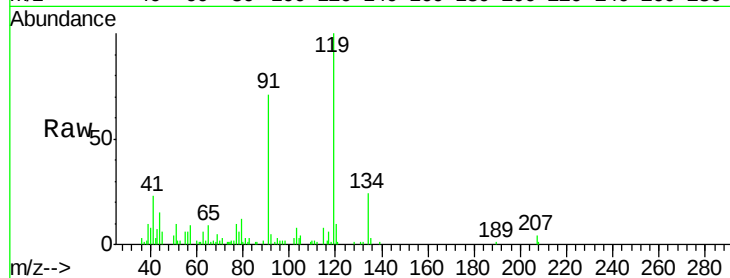




#83
tert-Butylbenzene
Concen: 0.63 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. 0.00 min
Lab File: VN049696.D
Acq: 3 Jul 2018 16:21

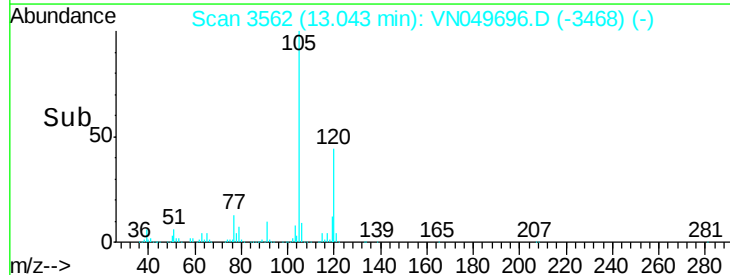
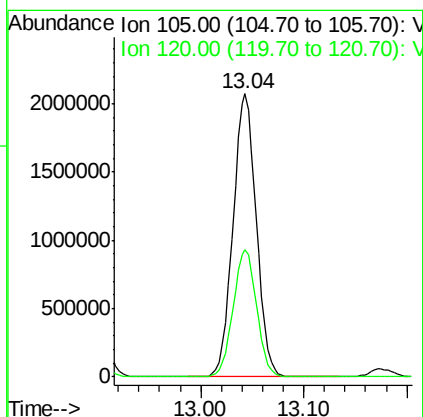
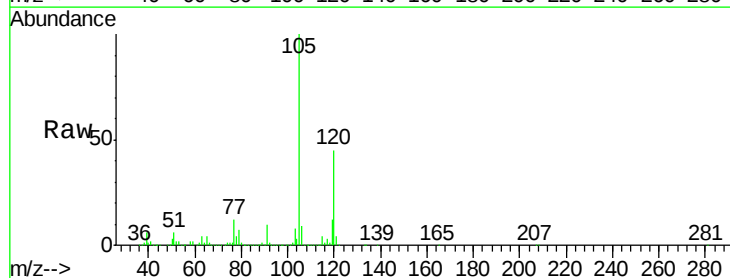
Instrument :
MSVOA_N
ClientSampled :

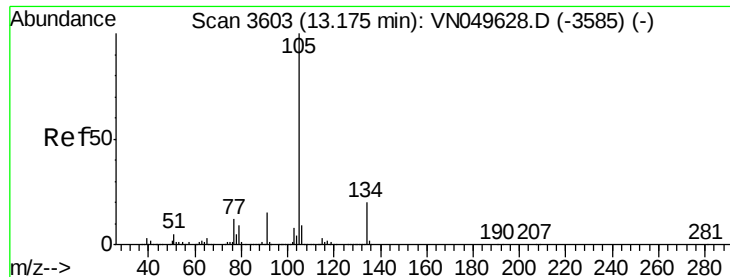
Tot Ion:119 Resp: 27615
Ion Ratio Lower Upper
119 100
91 66.2 32.0 96.2
134 28.7 12.8 38.4



#84
1,2,4-Trimethylbenzene
Concen: 62.19 ug/l
RT: 13.04 min Scan# 3562
Delta R.T. 0.00 min
Lab File: VN049696.D
Acq: 3 Jul 2018 16:21

Tgt Ion:105 Resp: 3255024
Ion Ratio Lower Upper
105 100
120 45.3 22.7 68.1





#85

sec-Butylbenzene

Concen: 56.15 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. -0.13 min

Lab File: VN049696.D

Acq: 3 Jul 2018 16:21

Instrument :

MSVOA_N

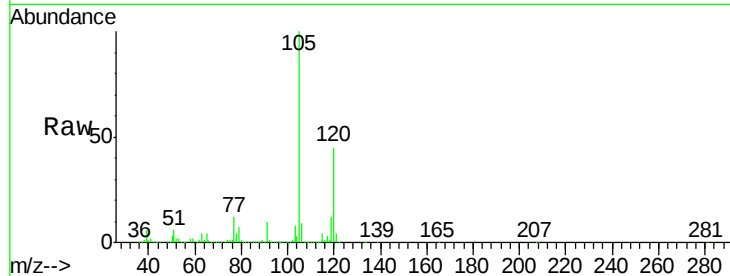
ClientSampleId :

Tot Ion:105 Resp: 3255024

Ion Ratio Lower Upper

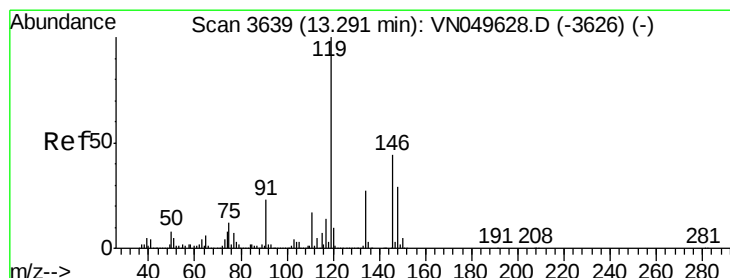
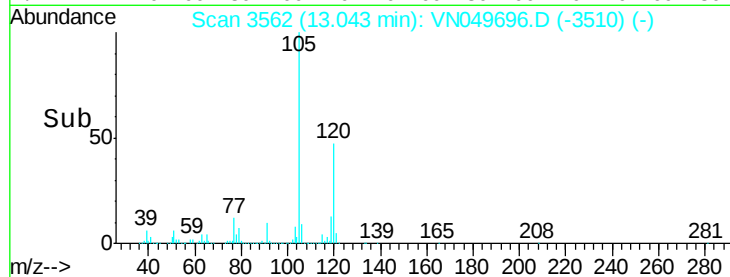
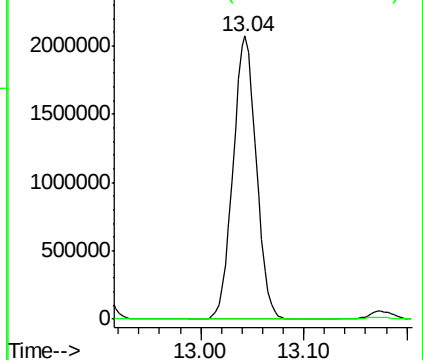
105 100

134 0.0 10.1 30.1#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 1.73 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN049696.D

Acq: 3 Jul 2018 16:21

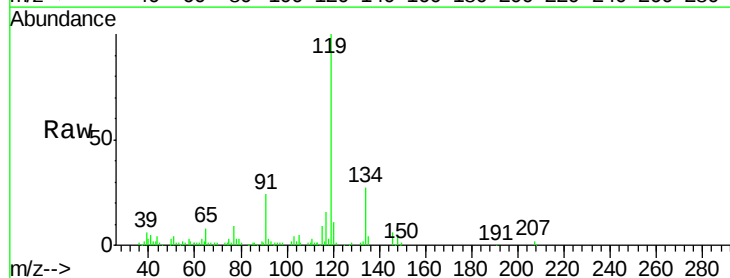
Tgt Ion:119 Resp: 87037

Ion Ratio Lower Upper

119 100

134 25.4 13.3 39.9

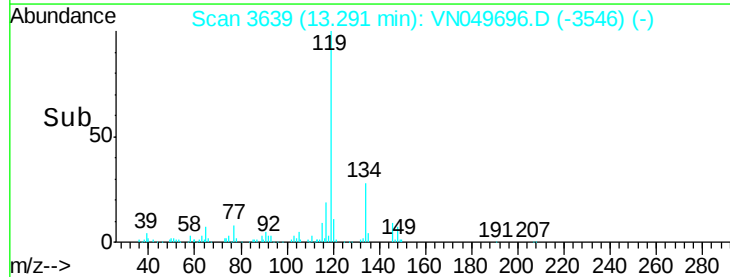
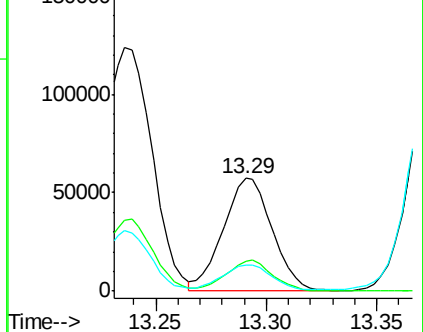
91 22.5 11.4 34.1

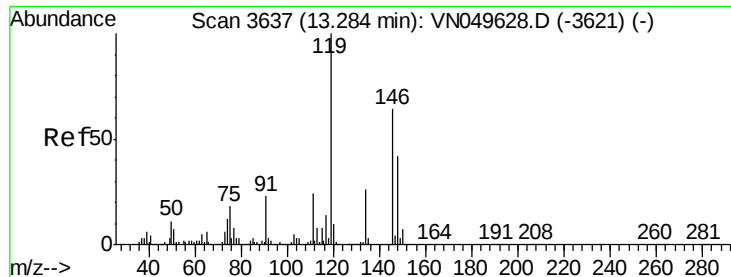


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

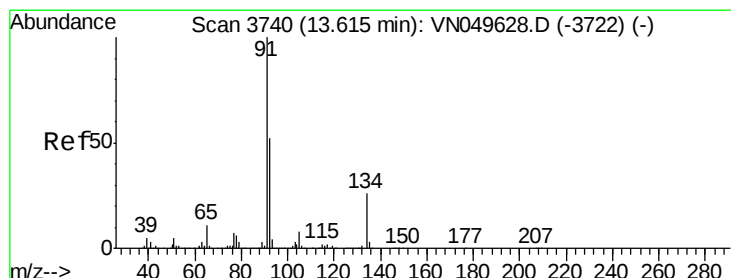
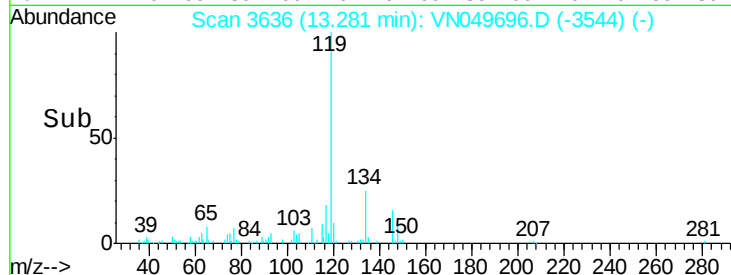
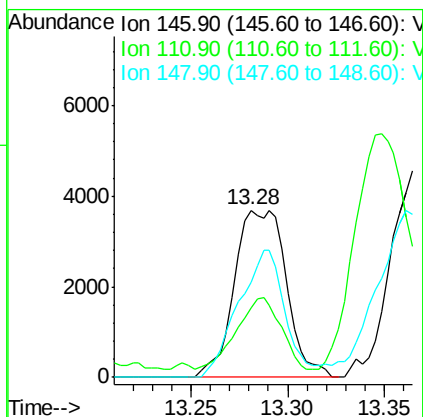
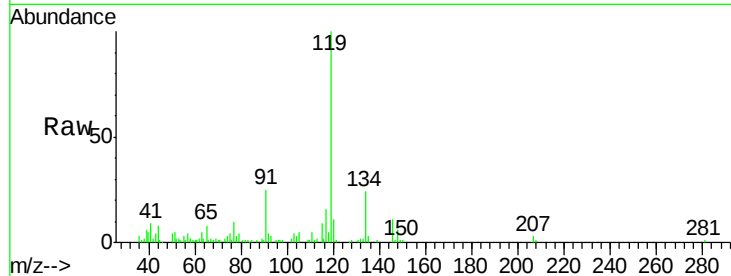




#87
 1,3-Dichlorobenzene
 Concen: Below Cal
 RT: 13.28 min Scan# 3636
 Delta R.T. -0.00 min
 Lab File: VN049696.D
 Acq: 3 Jul 2018 16:21

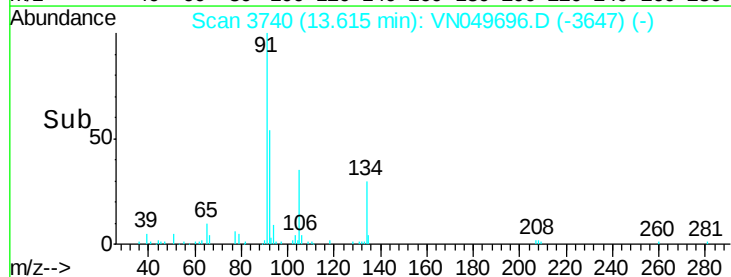
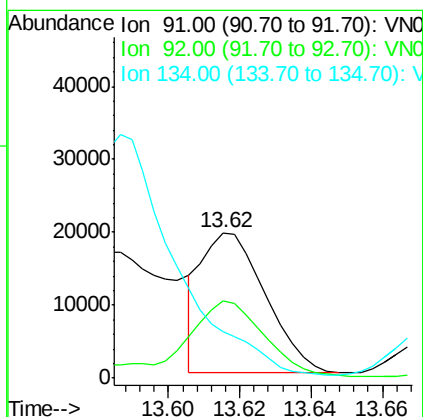
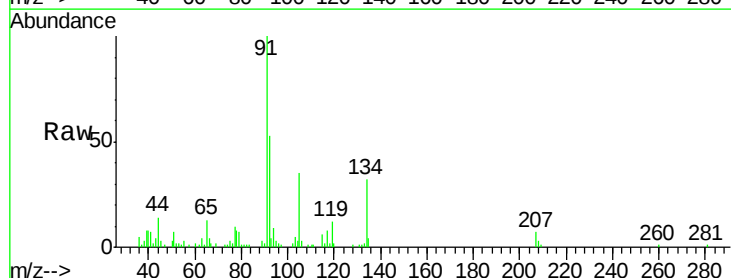
Instrument :
 MSVOA_N
 ClientSampleId :

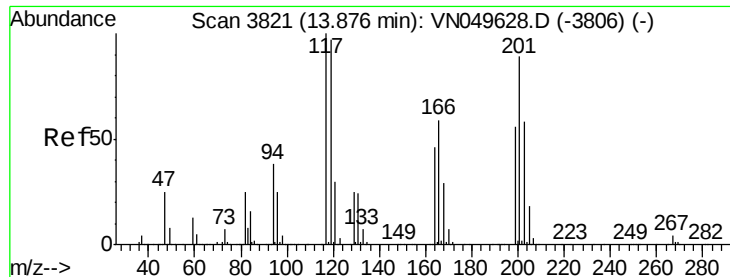
Tot Ion:146 Resp: 6859
 Ion Ratio Lower Upper
 146 100
 111 36.9 19.0 57.0
 148 68.8 32.5 97.5



#89
 n-Butylbenzene
 Concen: 0.56 ug/l
 RT: 13.62 min Scan# 3740
 Delta R.T. 0.00 min
 Lab File: VN049696.D
 Acq: 3 Jul 2018 16:21

Tgt Ion: 91 Resp: 23945
 Ion Ratio Lower Upper
 91 100
 92 70.3 25.8 77.3
 134 0.0 13.0 38.9#





#90

Hexachloroethane

Concen: 1.85 ua/l

RT: 13.89 min Scan# 3826

Delta R.T. 0.02 min

Lab File: VN049696.D

Acq: 3 Jul 2018 16:21

Instrument :

MSVOA_N

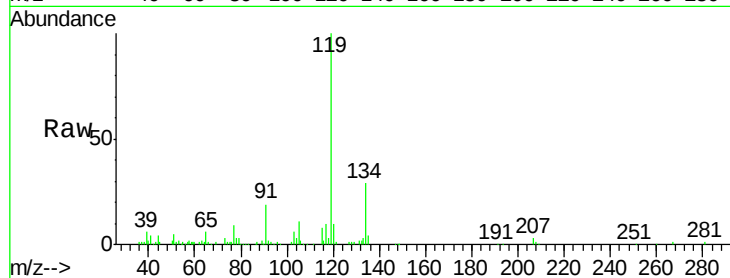
ClientSampled :

Tot Ion:117 Resp: 9774

Ion Ratio Lower Upper

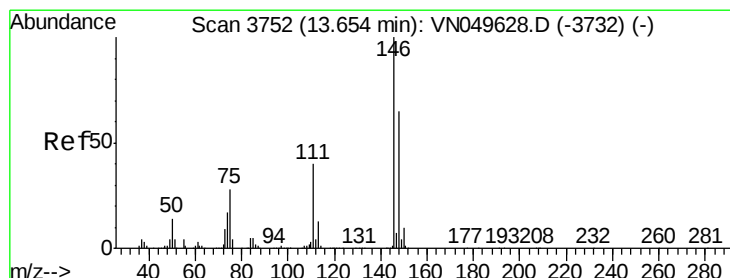
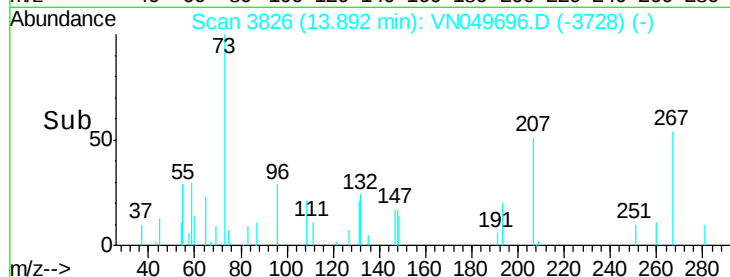
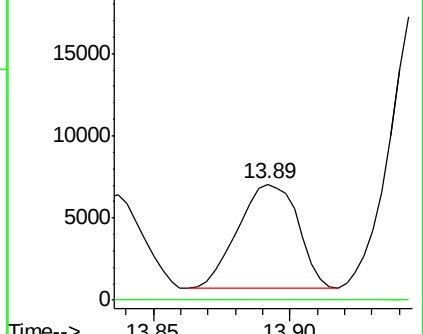
117 100

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: 13.66 min Scan# 3754

Delta R.T. 0.01 min

Lab File: VN049696.D

Acq: 3 Jul 2018 16:21

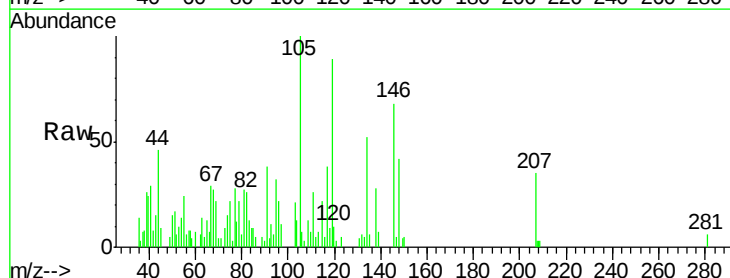
Tgt Ion:146 Resp: 6094

Ion Ratio Lower Upper

146 100

111 45.4 19.7 59.1

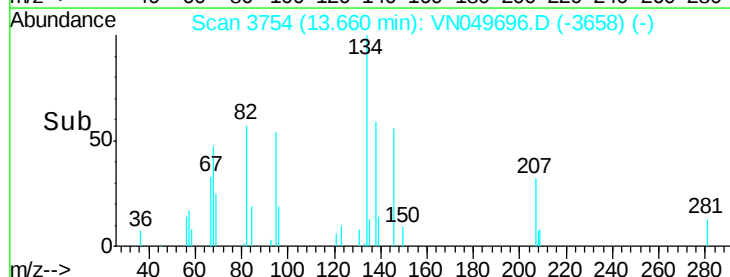
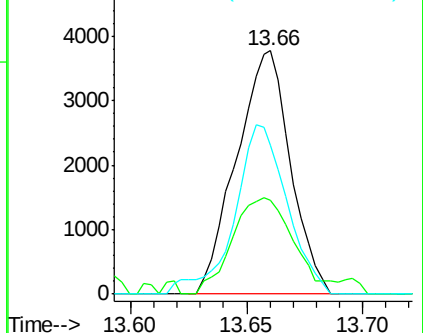
148 67.6 32.0 96.2

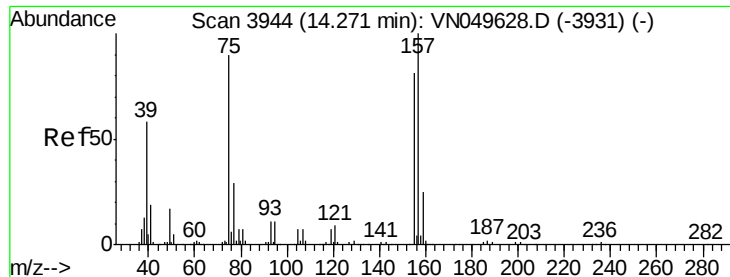


Abundance Ion 145.90 (145.60 to 146.60): V

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: 14.26 min Scan# 3942

Delta R.T. -0.01 min

Lab File: VN049696.D

Acq: 3 Jul 2018 16:21

Instrument :

MSVOA_N

ClientSampled :

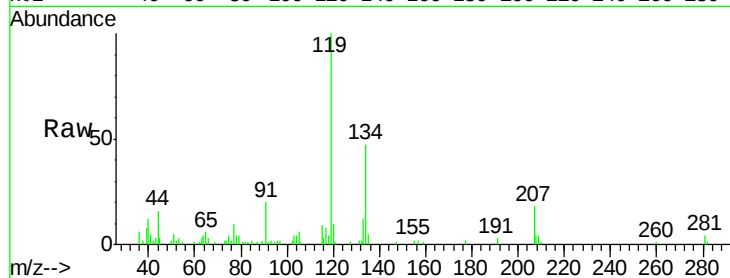
Tot Ion: 75 Resp: 491

Ion Ratio Lower Upper

75 100

155 96.7 45.7 137.1

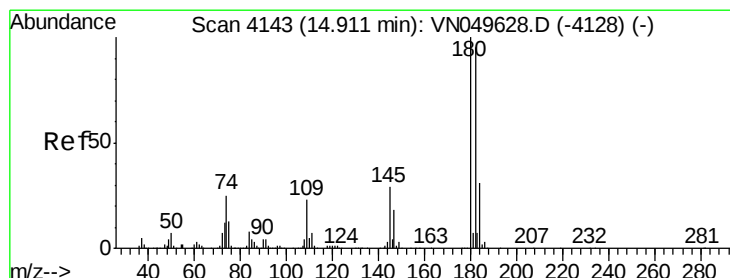
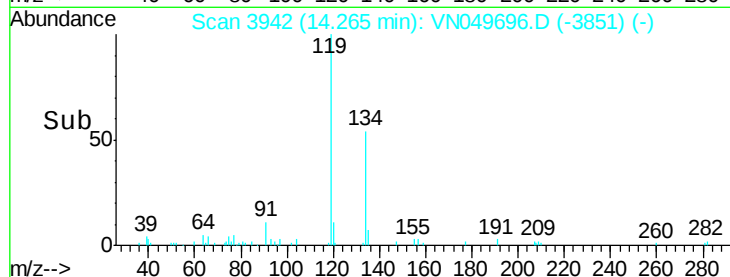
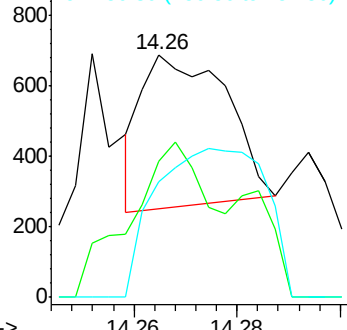
157 127.3 56.9 170.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#93

1,2,4-Trichlorobenzene

Concen: 2.94 ug/l

RT: 14.91 min Scan# 4143

Delta R.T. 0.00 min

Lab File: VN049696.D

Acq: 3 Jul 2018 16:21

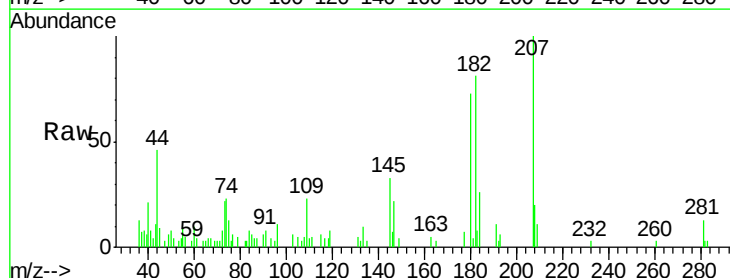
Tgt Ion:180 Resp: 7964

Ion Ratio Lower Upper

180 100

182 101.2 47.3 141.9

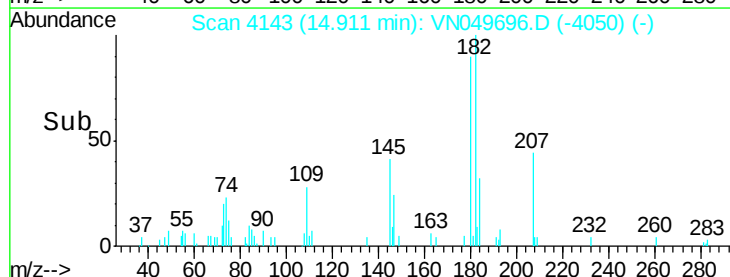
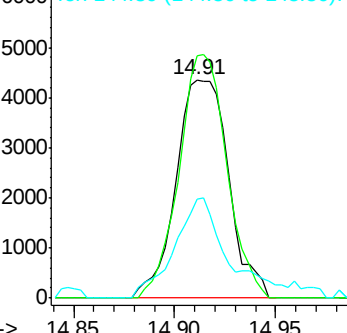
145 46.6 14.4 43.0#

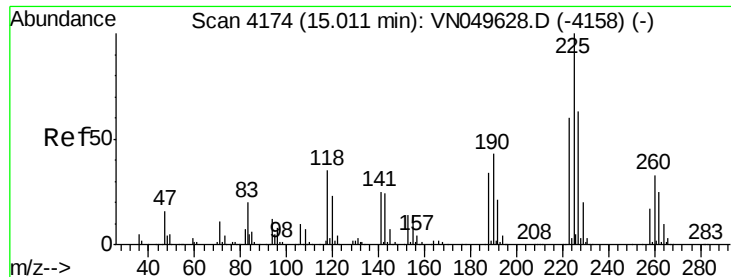


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.02 min Scan# 4176

Delta R.T. 0.01 min

Lab File: VN049696.D

Acq: 3 Jul 2018 16:21

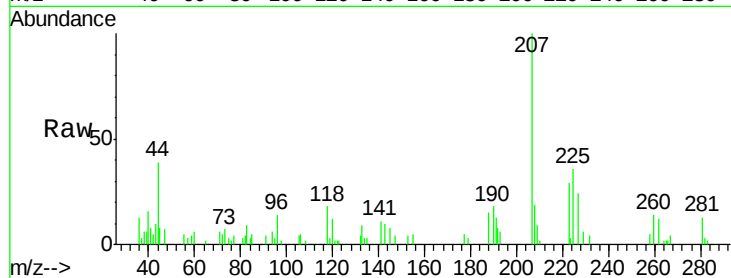
Instrument :

MSVOA_N

ClientSampled :

Tot Ion:225 Resp: 3691

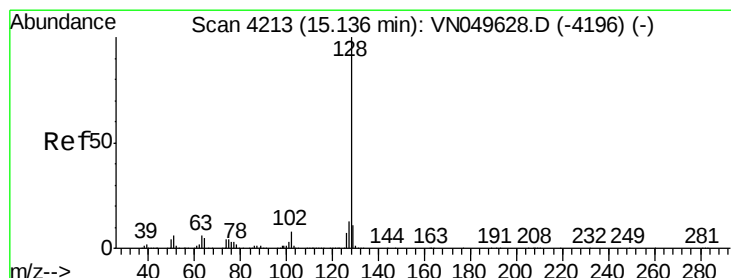
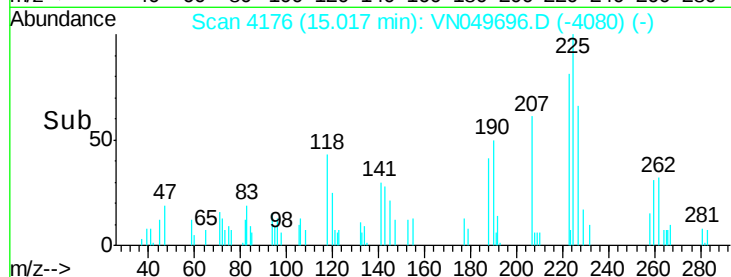
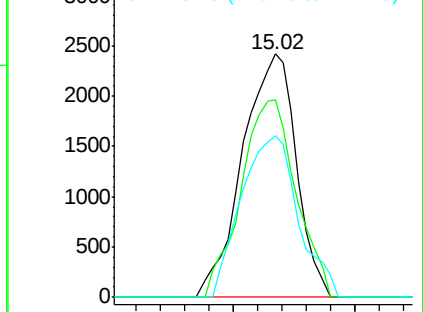
Ion	Ratio	Lower	Upper
225	100		
223	82.8	30.9	92.7
227	70.5	31.8	95.4



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 5.47 ug/l

RT: 15.14 min Scan# 4214

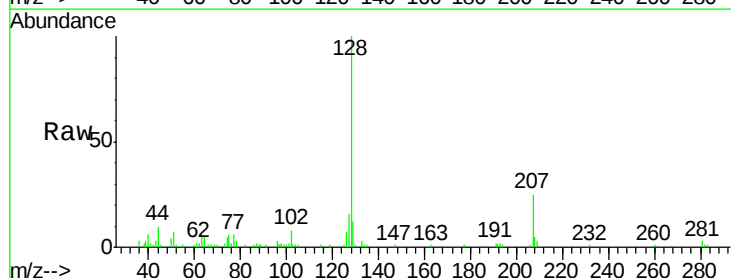
Delta R.T. 0.00 min

Lab File: VN049696.D

Acq: 3 Jul 2018 16:21

Tgt Ion:128 Resp: 48622

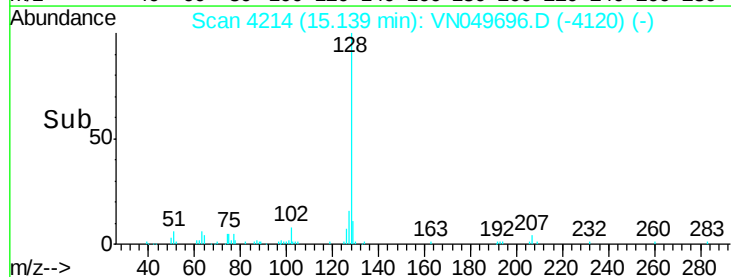
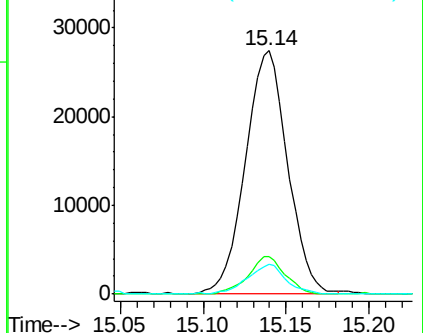
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.4	15.6
129	11.0	8.6	13.0

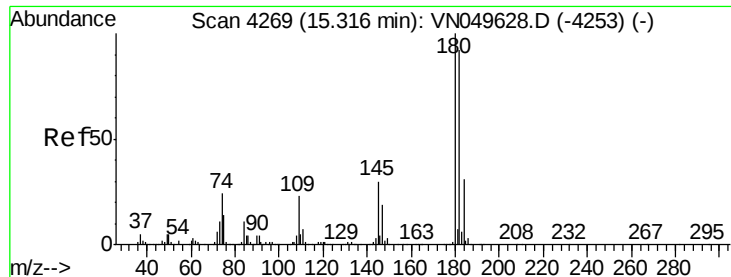


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

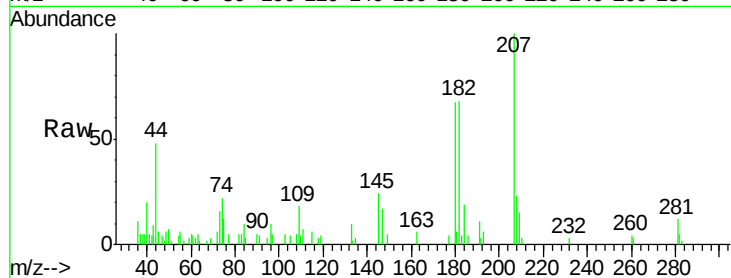




#96
 1,2,3-Trichlorobenzene
 Concen: 2.25 ug/l
 RT: 15.32 min Scan# 4270
 Delta R.T. 0.00 min
 Lab File: VN049696.D
 Acq: 3 Jul 2018 16:21

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.6	47.4	142.2
145	36.3	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

