

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070318\
 Data File : VN049693.D
 Acq On : 3 Jul 2018 15:03
 Operator : MD\SY
 Sample : J3811-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 03 23:05:43 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	1378705	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2196785	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1871252	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	955498	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	922979	50.69	ug/l	0.00
Spiked Amount			Recovery	=	101.38%	
35) Dibromofluoromethane	7.59	113	798414	48.61	ug/l	0.00
Spiked Amount			Recovery	=	97.22%	
50) Toluene-d8	10.09	98	2988296	46.49	ug/l	0.00
Spiked Amount			Recovery	=	92.98%	
62) 4-Bromofluorobenzene	12.40	95	978569	44.59	ug/l	0.00
Spiked Amount			Recovery	=	89.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	4926	0.25	ug/l #	74
11) Tert butyl alcohol	4.79	59	460	0.44	ug/l #	72
13) Acrolein	3.61	56	939	0.96	ug/l #	78
16) Acetone	3.82	43	13103	Below Cal		96
17) Carbon Disulfide	4.04	76	250654	5.30	ug/l	98
18) Methyl Acetate	4.33	43	44128	Below Cal	#	73
25) 2-Butanone	6.86	43	14885	2.46	ug/l	90
30) Chloroform	7.37	83	7366	0.23	ug/l	93
36) 1,1-Dichloropropene	7.67	75	92638	3.75	ug/l #	48
38) Carbon Tetrachloride	7.67	117	123226	5.13	ug/l #	15
43) Isopropyl Acetate	8.31	43	370661	12.52	ug/l #	62
44) Trichloroethene	8.84	130	27308	1.20	ug/l	87
49) 1,4-Dioxane	9.02	88	70	0.41	ug/l #	26
59) 2-Hexanone	10.76	43	7184	0.77	ug/l	87
60) Dibromochloromethane	10.63	129	39064	2.13	ug/l #	11
64) Tetrachloroethene	10.63	164	45504	1.80	ug/l	96
67) Ethyl Benzene	11.51	91	55799	0.69	ug/l	97
68) m/p-Xylenes	11.62	106	128562	4.16	ug/l	99
69) o-Xylene	11.95	106	136762	4.62	ug/l	99
71) Bromoform	12.41	173	4222	0.36	ug/l #	1
73) Isopropylbenzene	12.25	105	486861	6.40	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.47	83	3274	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.66	75	53795	3.51	ug/l #	100
78) n-propylbenzene	12.59	91	1539778	17.65	ug/l	100
79) 2-Chlorotoluene	12.66	91	840462	15.22	ug/l #	40
80) 1,3,5-Trimethylbenzene	12.73	105	6493751	102.67	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.40	75	480187	106.43	ug/l #	13
82) 4-Chlorotoluene	12.73	91	655971	11.82	ug/l #	40
83) tert-Butylbenzene	13.00	119	94776	1.74	ug/l #	41
84) 1,2,4-Trimethylbenzene	12.89	105	8031862	123.59	ug/l	78
85) sec-Butylbenzene	13.17	105	557585	7.75	ug/l #	77
86) p-Isopropyltoluene	13.29	119	661748	10.61	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	823	Below Cal	#	1
88) 1,4-Dichlorobenzene	13.37	146	1749	Below Cal	#	25

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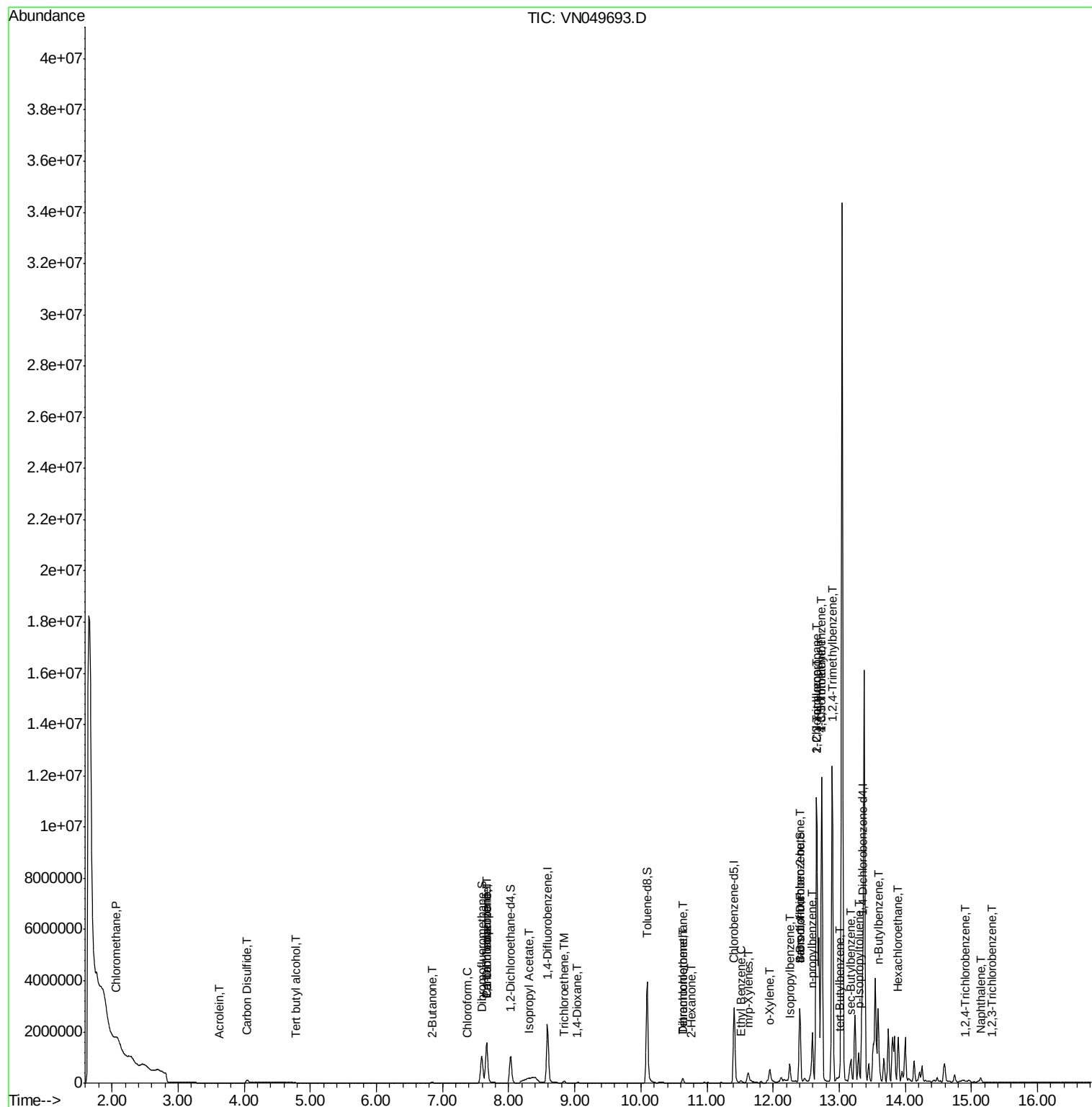
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) n-Butylbenzene	13.59	91	152779	2.86	ug/l #	1
90) Hexachloroethane	13.89	117	91667	14.00	ug/l #	4
91) 1,2-Dichlorobenzene	13.66	146	1337	Below Cal	#	36
92) 1,2-Dibromo-3-Chloropropan	14.26	75	2365	Below Cal	#	1
93) 1,2,4-Trichlorobenzene	14.91	180	1015	2.46	ug/l #	1
94) Hexachlorobutadiene	15.01	225	108	Below Cal	#	40
95) Naphthalene	15.14	128	146322	7.51	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	859	1.70	ug/l #	56

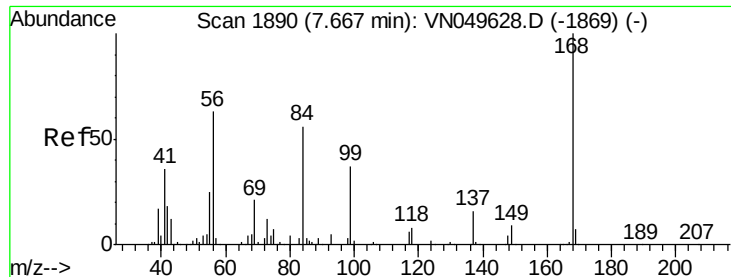
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN049693.D

Acq: 3 Jul 2018 15:03

Instrument :

MSVOA_N

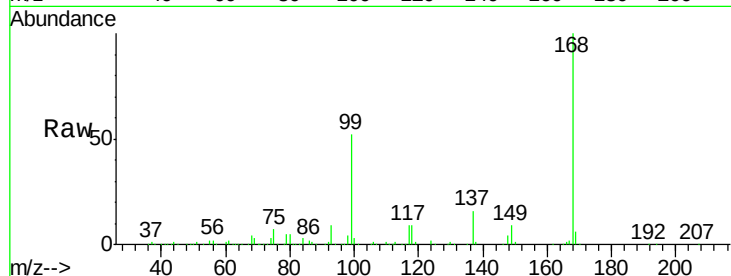
ClientSampleId :

Tot Ion:168 Resp: 1378705

Ion Ratio Lower Upper

168 100

99 51.6 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

600000

500000

400000

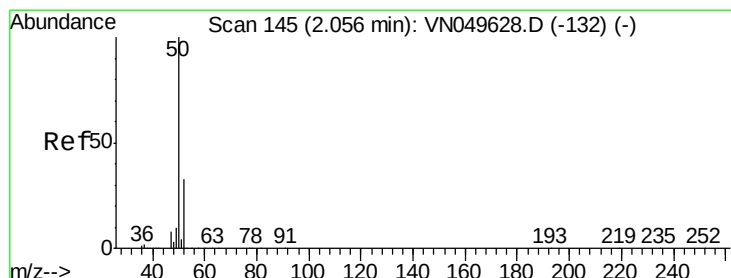
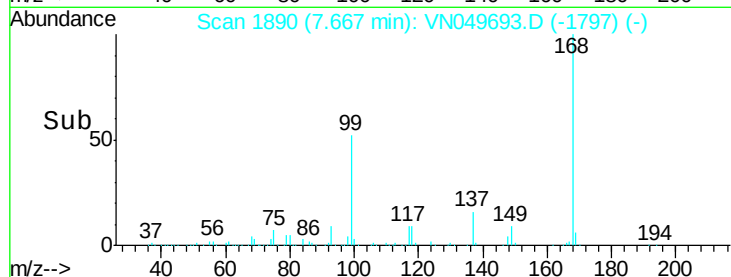
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 0.25 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN049693.D

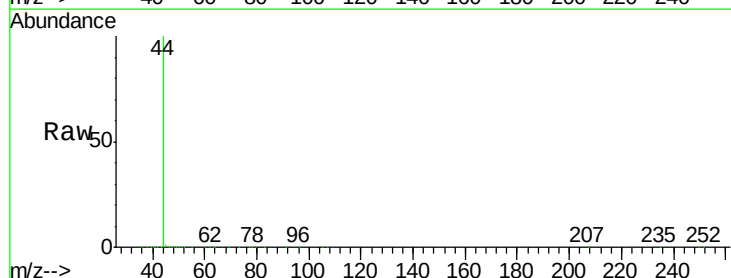
Acq: 3 Jul 2018 15:03

Tgt Ion: 50 Resp: 4926

Ion Ratio Lower Upper

50 100

52 47.5 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

4000

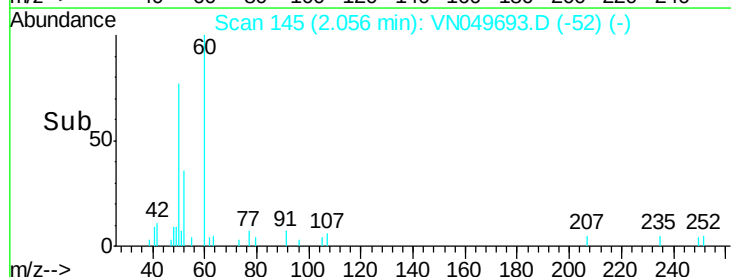
3000

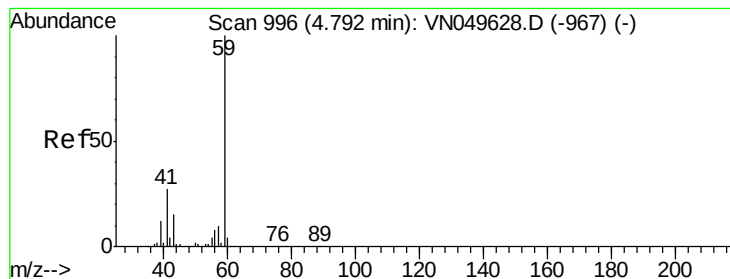
2000

1000

0

Time-->





#11

Tert butyl alcohol

Concen: 0.44 ug/l

RT: 4.79 min Scan# 996

Delta R.T. -0.00 min

Lab File: VN049693.D

Acq: 3 Jul 2018 15:03

Instrument :

MSVOA_N

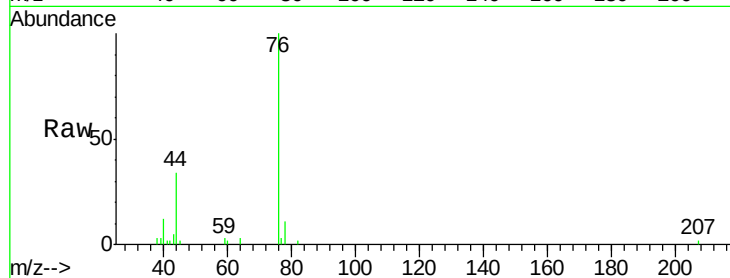
ClientSampleId :

Tot Ion: 59 Resp: 460

Ion Ratio Lower Upper

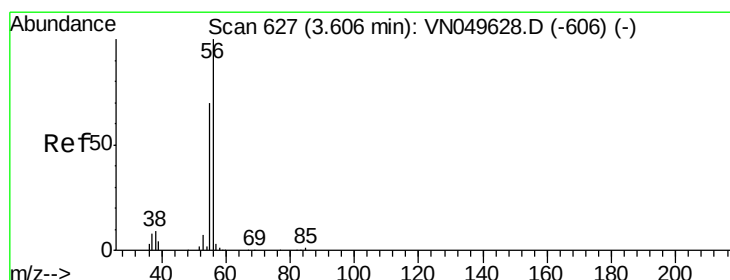
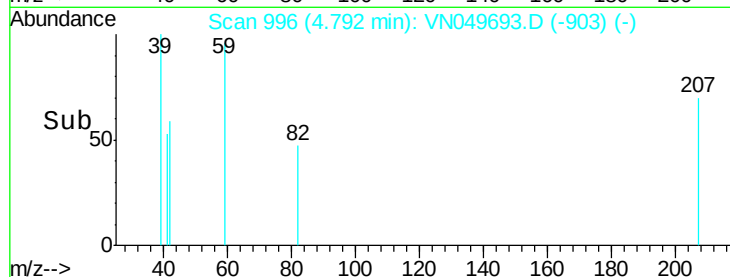
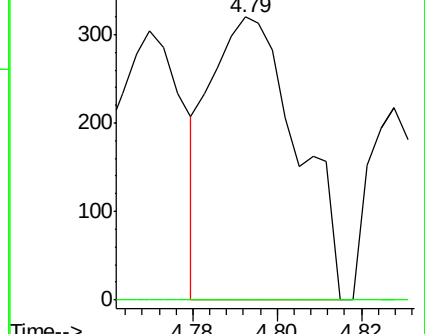
59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#13

Acrolein

Concen: 0.96 ug/l

RT: 3.61 min Scan# 629

Delta R.T. 0.01 min

Lab File: VN049693.D

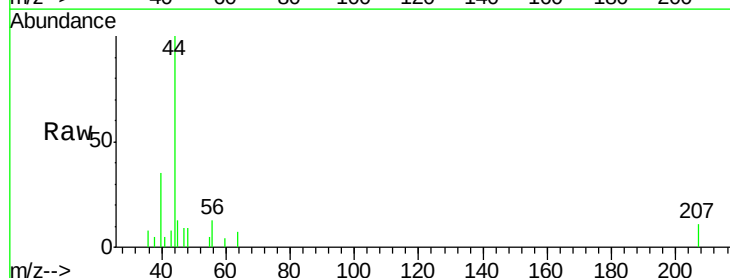
Acq: 3 Jul 2018 15:03

Tgt Ion: 56 Resp: 939

Ion Ratio Lower Upper

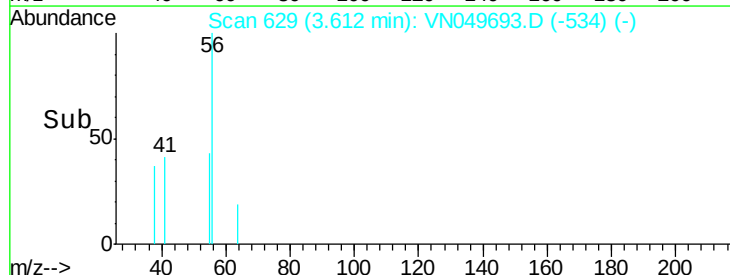
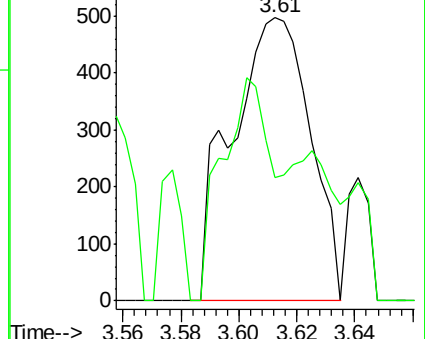
56 100

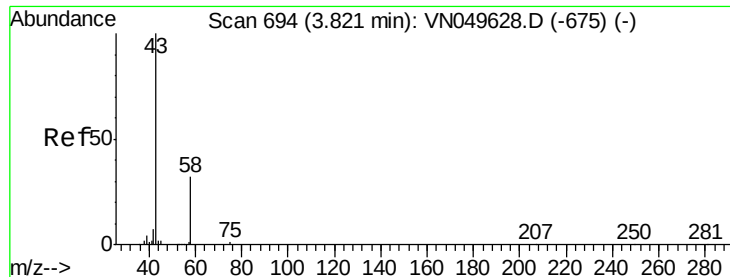
55 51.5 55.8 83.8#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0





#16

Acetone

Concen: Below Cal

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN049693.D

Acq: 3 Jul 2018 15:03

Instrument :

MSVOA_N

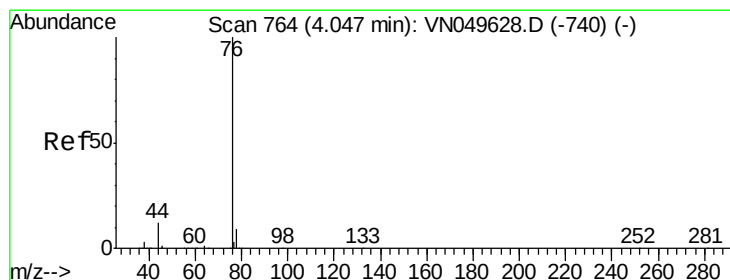
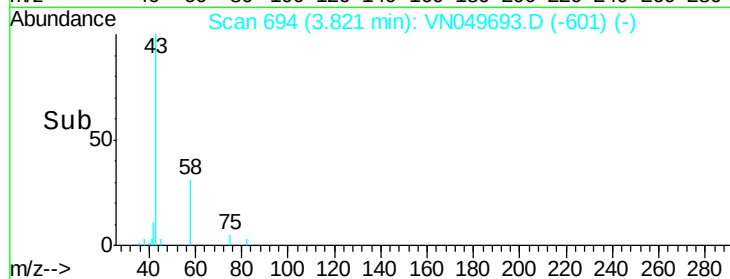
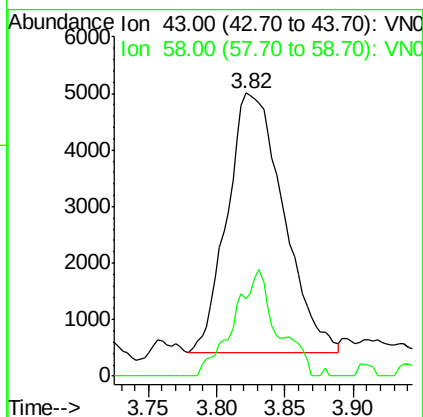
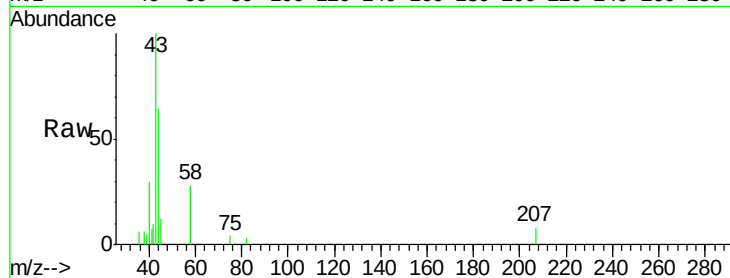
ClientSampleId :

Tot Ion: 43 Resp: 13103

Ion Ratio Lower Upper

43 100

58 30.1 25.9 38.9



#17

Carbon Disulfide

Concen: 5.30 ug/l

RT: 4.04 min Scan# 763

Delta R.T. -0.00 min

Lab File: VN049693.D

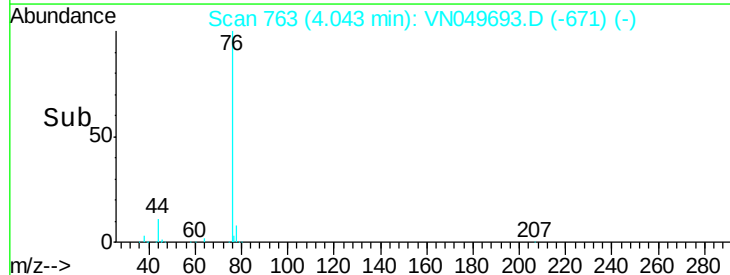
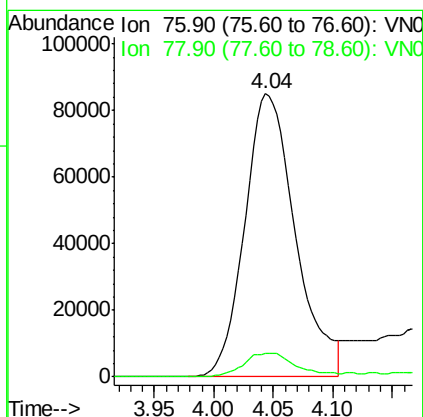
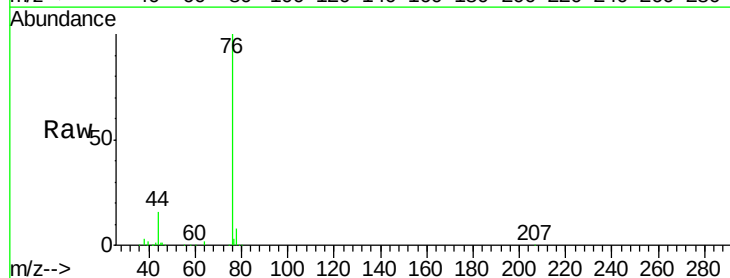
Acq: 3 Jul 2018 15:03

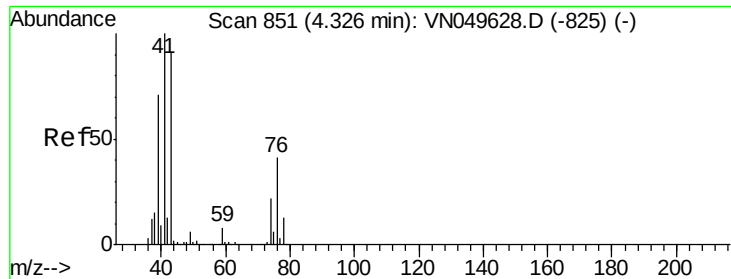
Tgt Ion: 76 Resp: 250654

Ion Ratio Lower Upper

76 100

78 8.2 7.1 10.7





#18

Methyl Acetate

Concen: Below Cal

RT: 4.33 min Scan# 852

Delta R.T. 0.00 min

Lab File: VN049693.D

Acq: 3 Jul 2018 15:03

Instrument :

MSVOA_N

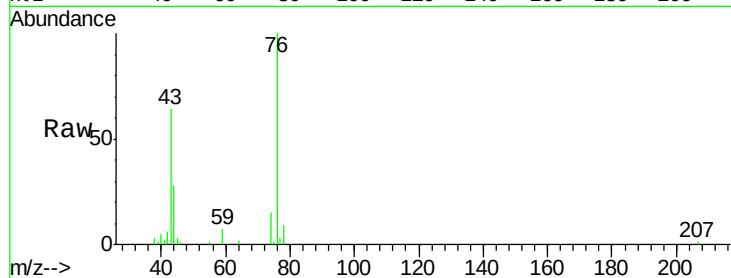
ClientSampled :

Tot Ion: 43 Resp: 44128

Ion Ratio Lower Upper

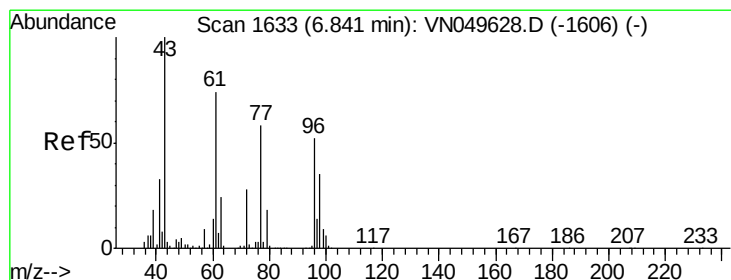
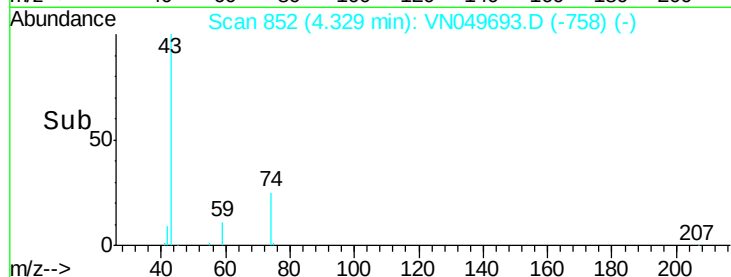
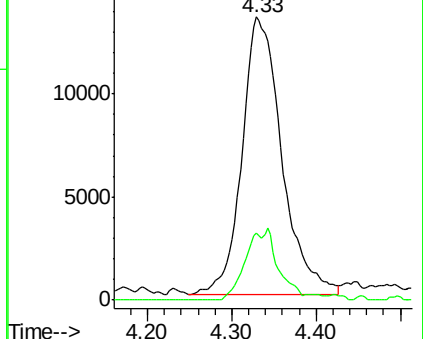
43 100

74 11.2 19.8 29.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0



#25

2-Butanone

Concen: 2.46 ug/l

RT: 6.86 min Scan# 1638

Delta R.T. 0.02 min

Lab File: VN049693.D

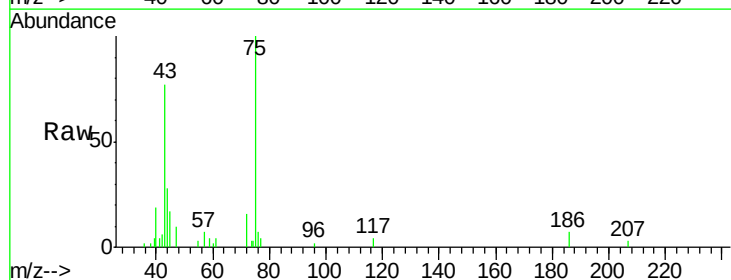
Acq: 3 Jul 2018 15:03

Tgt Ion: 43 Resp: 14885

Ion Ratio Lower Upper

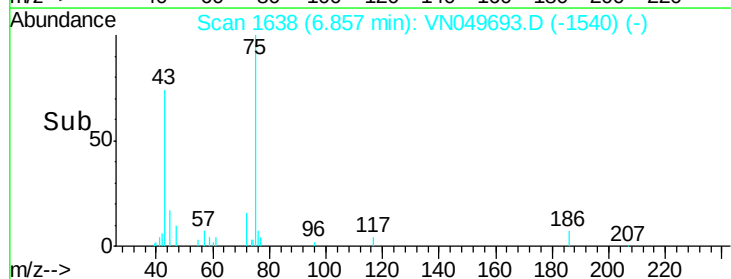
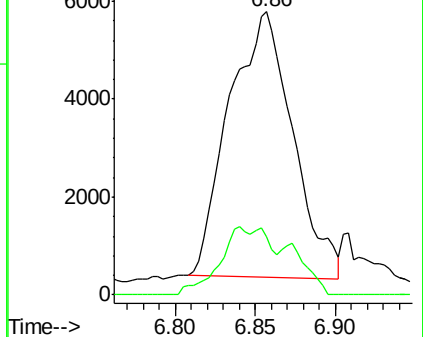
43 100

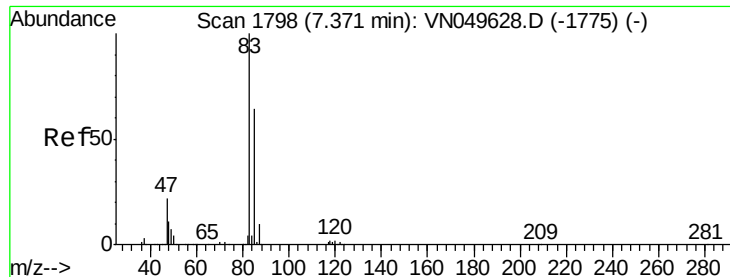
72 22.2 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

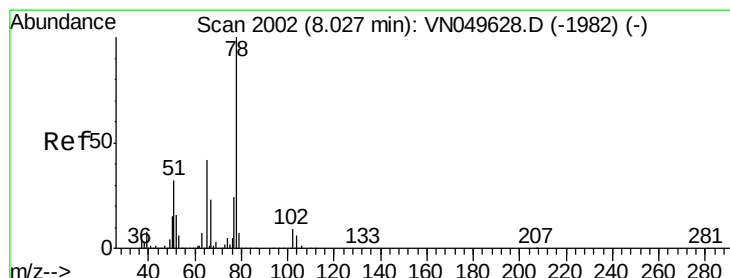
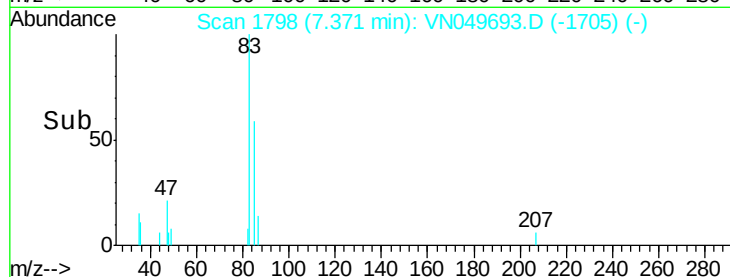
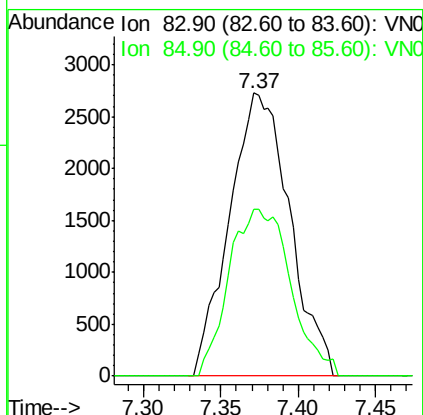
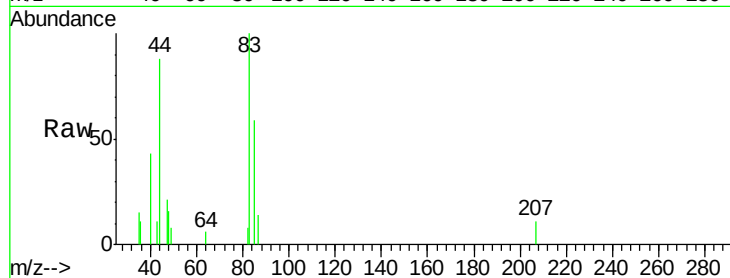




#30
Chloroform
Concen: 0.23 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN049693.D
Acq: 3 Jul 2018 15:03

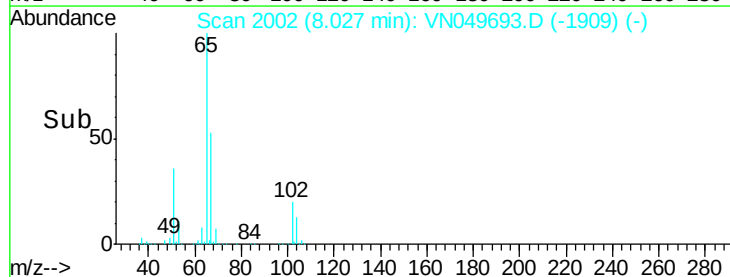
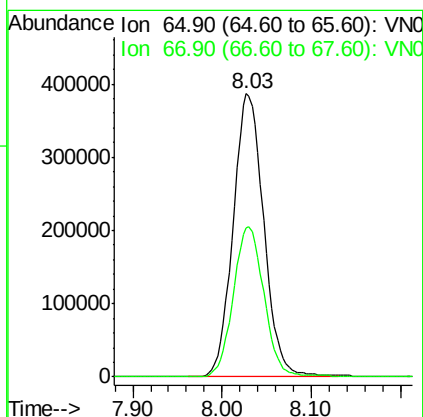
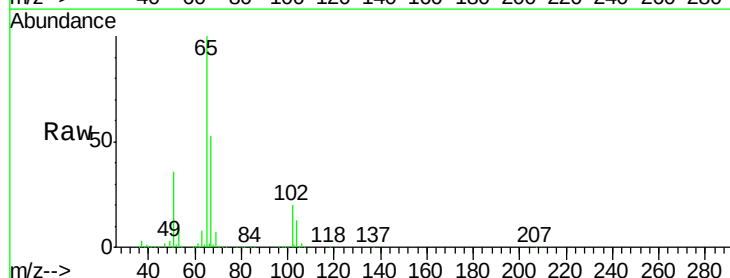
Instrument :
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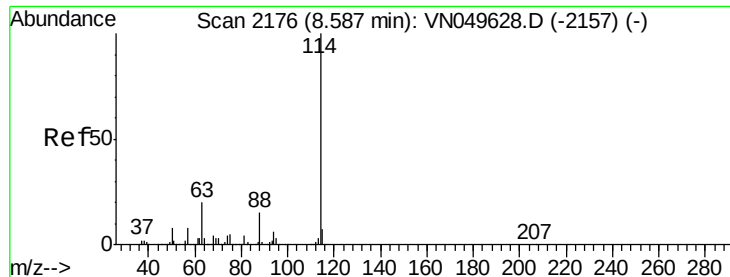
Tot Ion: 83 Resp: 7366
Ion Ratio Lower Upper
83 100
85 59.0 51.4 77.2



#33
1,2-Dichloroethane-d4
Concen: 50.69 ug/l
RT: 8.03 min Scan# 2002
Delta R.T. -0.00 min
Lab File: VN049693.D
Acq: 3 Jul 2018 15:03

Tgt Ion: 65 Resp: 922979
Ion Ratio Lower Upper
65 100
67 52.7 0.0 107.2





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN049693.D

Acq: 3 Jul 2018 15:03

Instrument :

MSVOA_N

ClientSampleId :

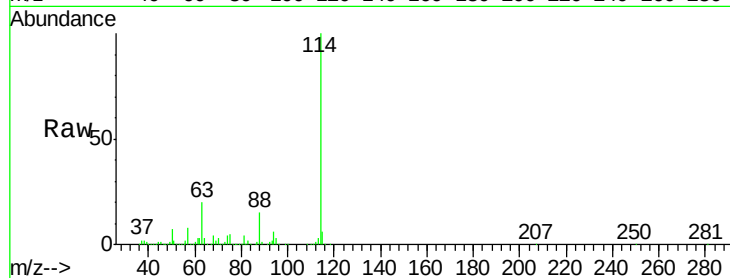
Tot Ion:114 Resp: 2196785

Ion Ratio Lower Upper

114 100

63 19.5 0.0 39.8

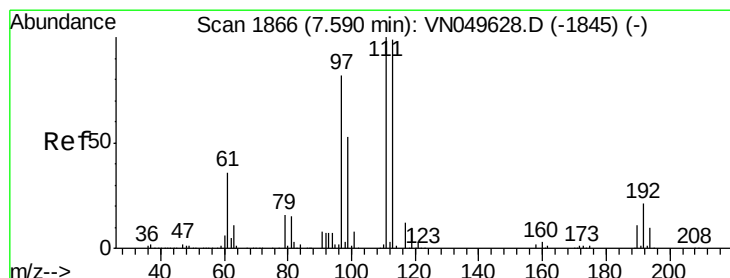
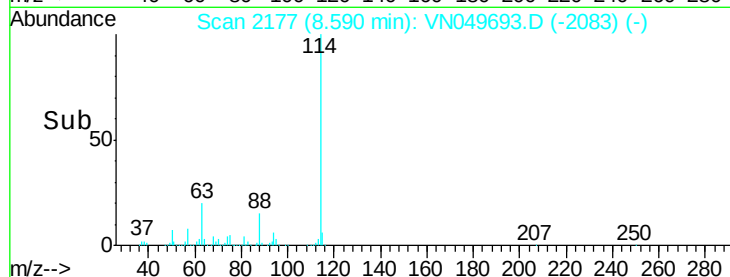
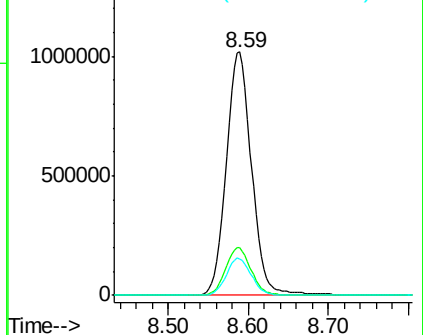
88 15.1 0.0 30.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 48.61 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN049693.D

Acq: 3 Jul 2018 15:03

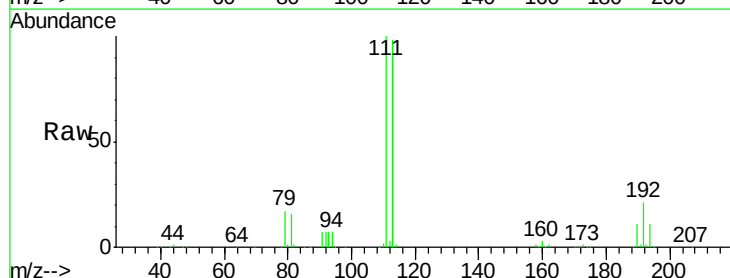
Tgt Ion:113 Resp: 798414

Ion Ratio Lower Upper

113 100

111 103.4 81.8 122.8

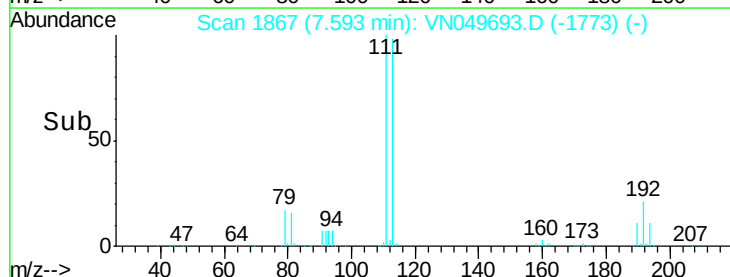
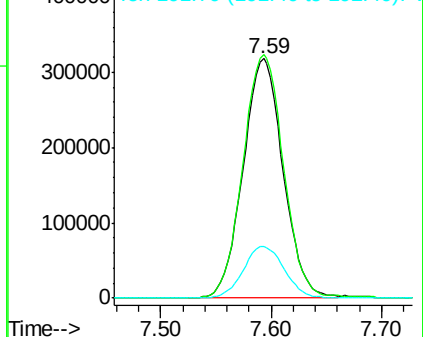
192 22.3 17.8 26.6

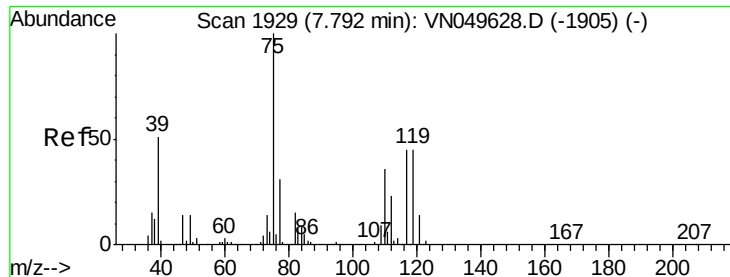


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.75 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.13 min

Lab File: VN049693.D

Acq: 3 Jul 2018 15:03

Instrument :

MSVOA_N

ClientSampled :

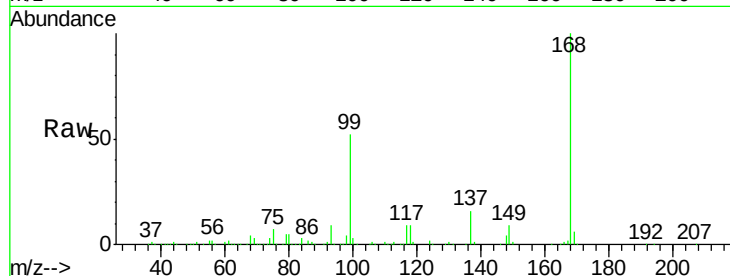
Tot Ion: 75 Resp: 92638

Ion Ratio Lower Upper

75 100

110 8.3 18.1 54.4#

77 0.0 24.9 37.3#

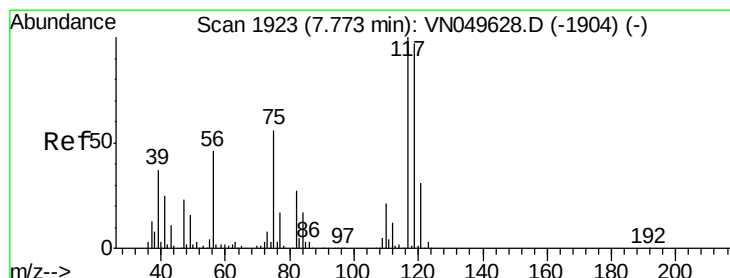
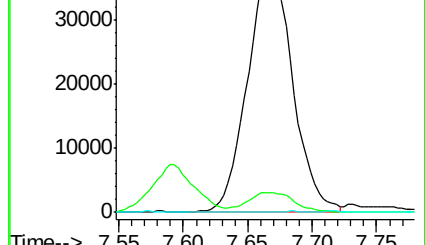
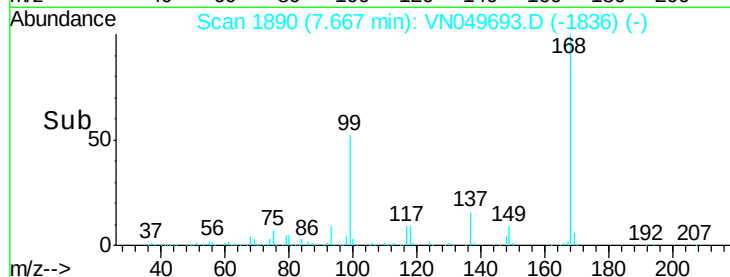


Abundance Ion 74.90 (74.60 to 75.60): VN049628.D (-1905) (-)

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

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

Time-->



#38

Carbon Tetrachloride

Concen: 5.13 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. -0.10 min

Lab File: VN049693.D

Acq: 3 Jul 2018 15:03

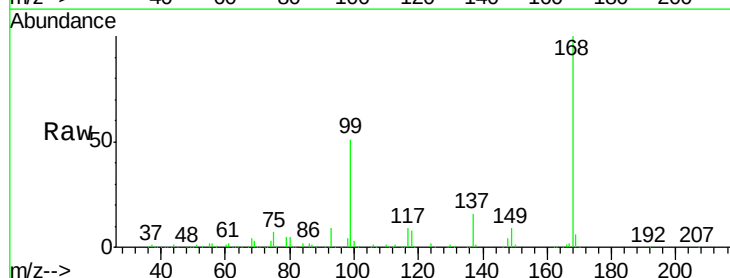
Tgt Ion: 117 Resp: 123226

Ion Ratio Lower Upper

117 100

119 4.8 77.2 115.8#

121 0.0 25.0 37.6#

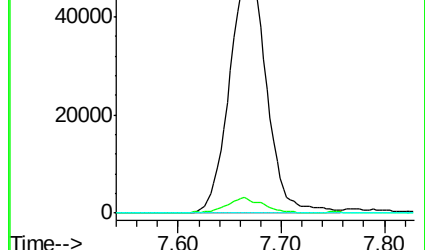
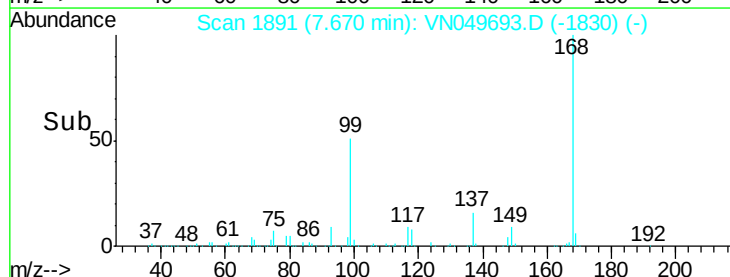


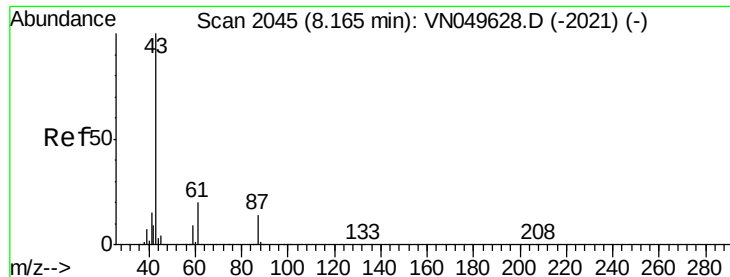
Abundance Ion 116.80 (116.50 to 117.50): VN049628.D (-1904) (-)

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

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

Time-->





#43

Isopropyl Acetate

Concen: 12.52 ug/l

RT: 8.31 min Scan# 2089

Delta R.T. 0.14 min

Lab File: VN049693.D

Acq: 3 Jul 2018 15:03

Instrument :

MSVOA_N

ClientSampleId :

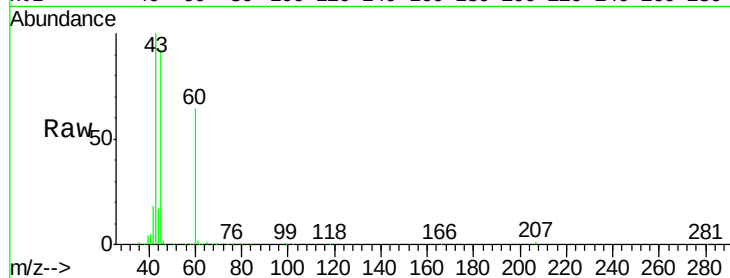
Tot Ion: 43 Resp: 370661

Ion Ratio Lower Upper

43 100

61 0.0 14.9 22.3#

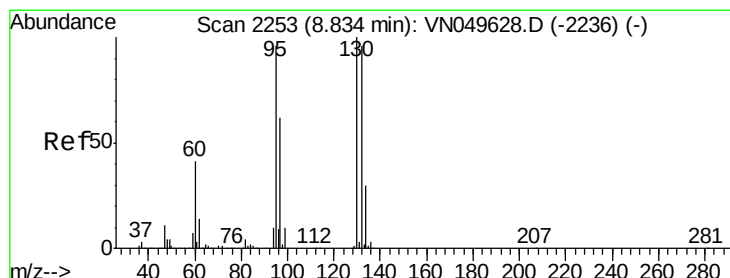
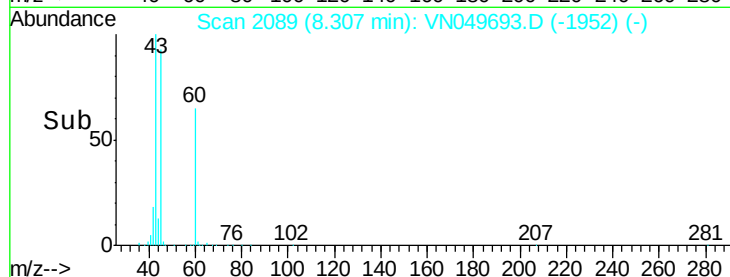
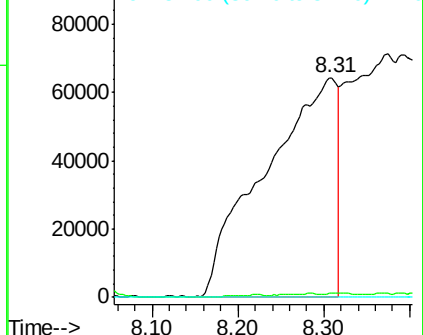
87 0.0 10.0 15.0#



Abundance Ion 43.00 (42.70 to 43.70): VN049628.D (-2021) (-)

Ion 61.00 (60.70 to 61.70): VN049628.D (-2021) (-)

Ion 87.00 (86.70 to 87.70): VN049628.D (-2021) (-)



#44

Trichloroethene

Concen: 1.20 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN049693.D

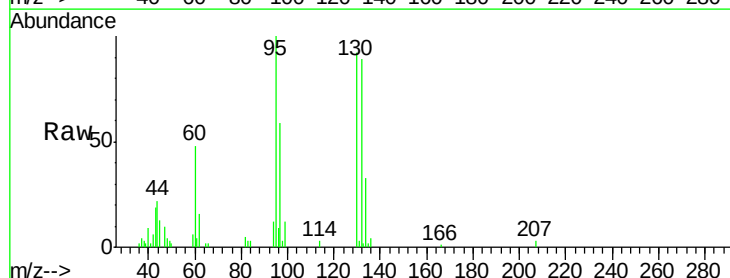
Acq: 3 Jul 2018 15:03

Tgt Ion:130 Resp: 27308

Ion Ratio Lower Upper

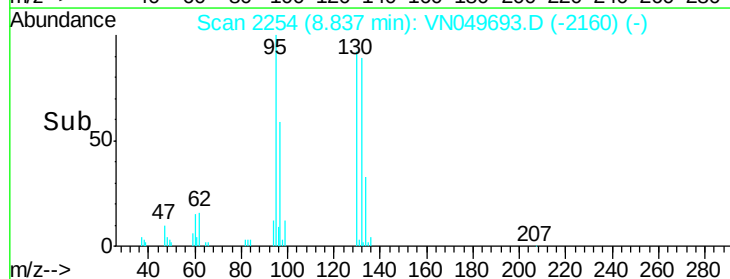
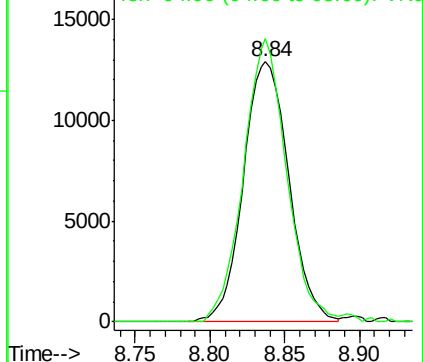
130 100

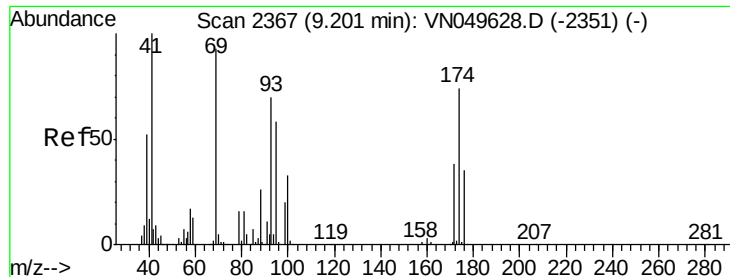
95 108.8 0.0 192.8



Abundance Ion 129.80 (129.50 to 130.50): VN049628.D (-2236) (-)

Ion 94.90 (94.60 to 95.60): VN049628.D (-2236) (-)





#49

1,4-Dioxane

Concen: 0.41 ug/l

RT: 9.02 min Scan# 2311

Delta R.T. -0.18 min

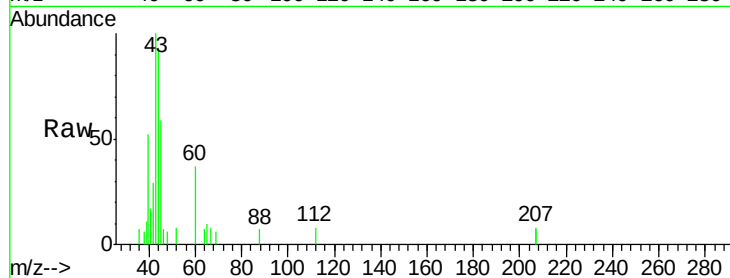
Lab File: VN049693.D

Acq: 3 Jul 2018 15:03

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 70

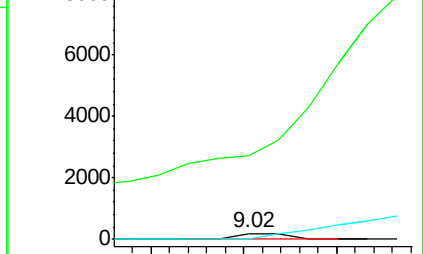
Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.1	37.7#
58	0.0	52.5	78.7#



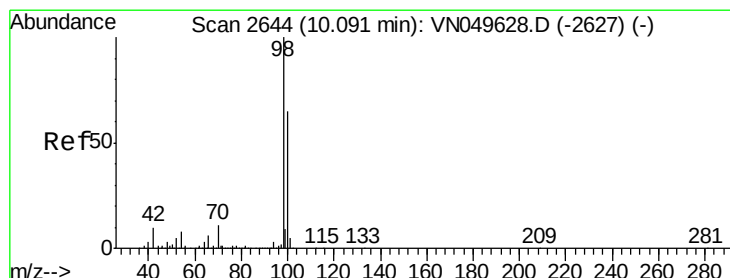
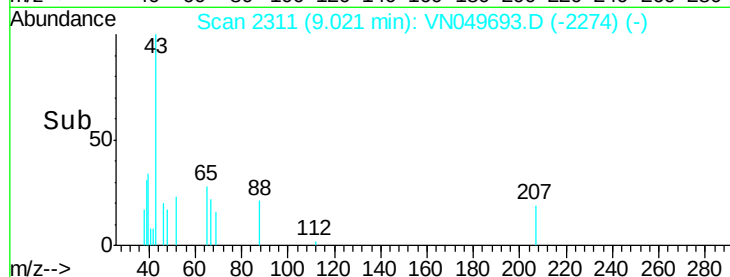
Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->



#50

Toluene-d8

Concen: 46.49 ug/l

RT: 10.09 min Scan# 2645

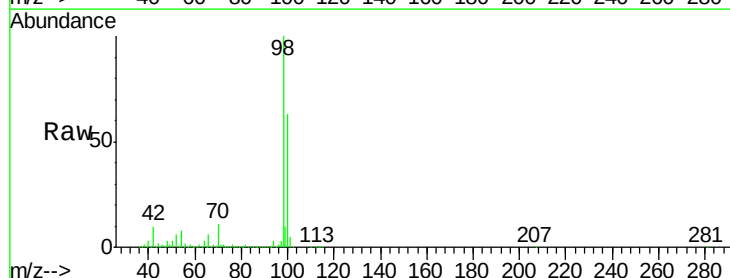
Delta R.T. 0.00 min

Lab File: VN049693.D

Acq: 3 Jul 2018 15:03

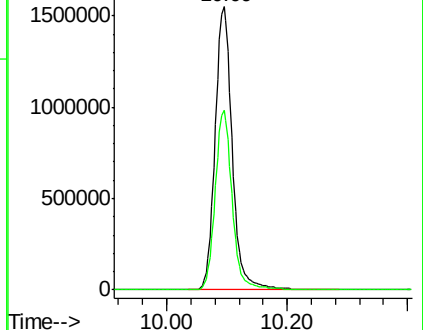
Tgt Ion: 98 Resp: 2988296

Ion	Ratio	Lower	Upper
98	100		
100	62.9	51.7	77.5

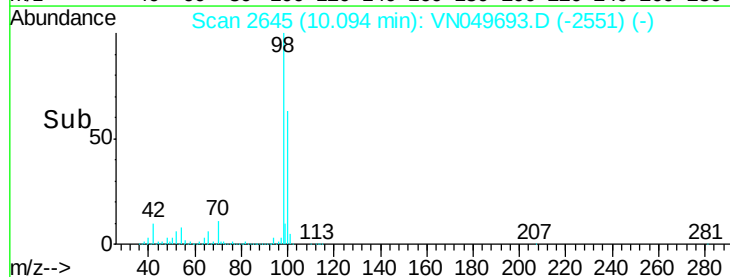


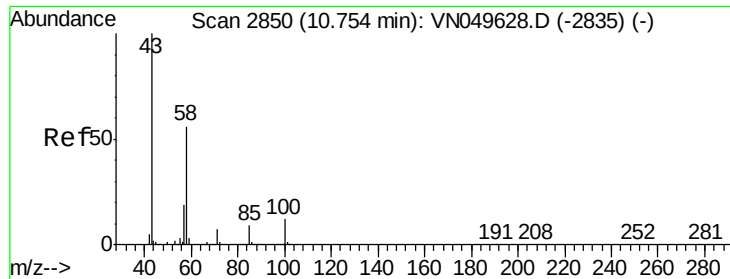
Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0



Time-->

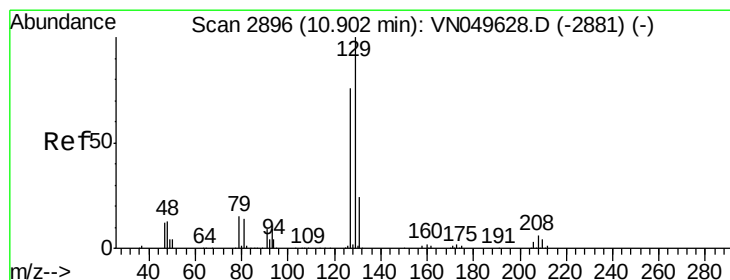
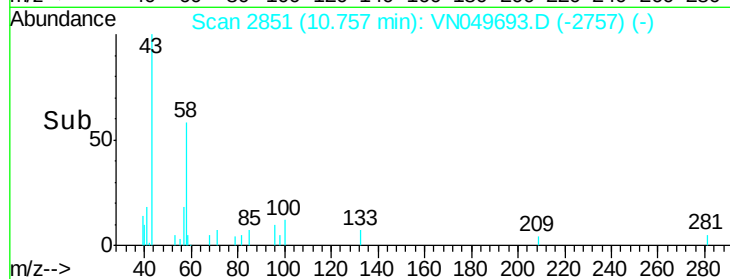
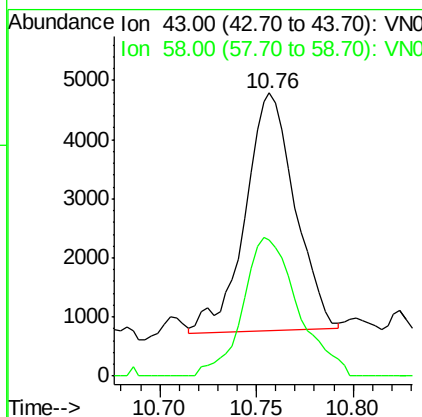
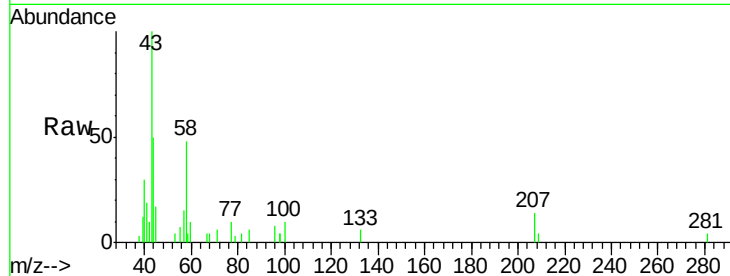




#59
2-Hexanone
Concen: 0.77 ug/l
RT: 10.76 min Scan# 2851
Delta R.T. 0.00 min
Lab File: VN049693.D
Acq: 3 Jul 2018 15:03

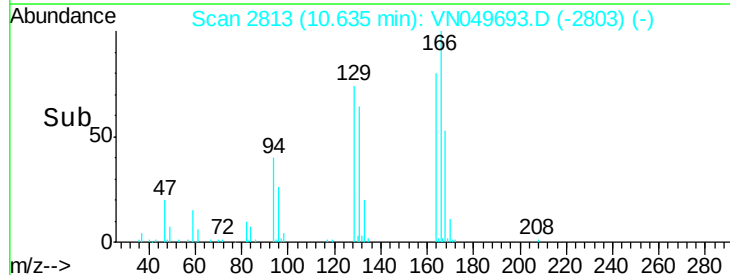
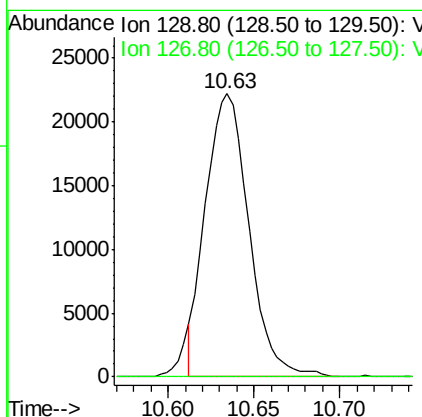
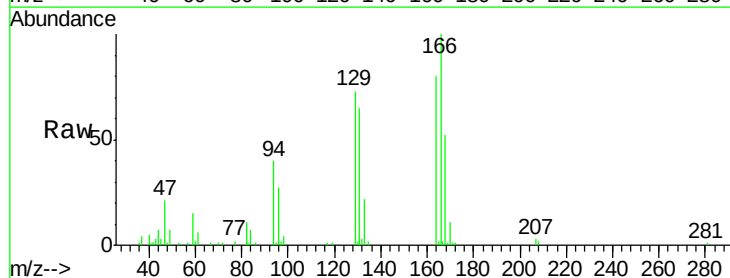
Instrument :
MSVOA_N
ClientSampleId :

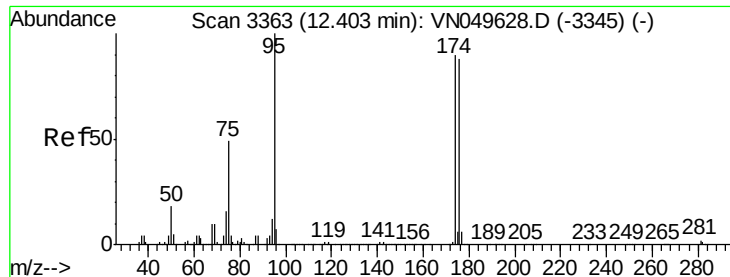
Tot Ion: 43 Resp: 7184
Ion Ratio Lower Upper
43 100
58 64.7 27.8 83.4



#60
Dibromochloromethane
Concen: 2.13 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. -0.27 min
Lab File: VN049693.D
Acq: 3 Jul 2018 15:03

Tgt Ion: 129 Resp: 39064
Ion Ratio Lower Upper
129 100
127 0.0 38.3 114.9#





#62

4-Bromofluorobenzene

Concen: 44.59 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN049693.D

Acq: 3 Jul 2018 15:03

Instrument :

MSVOA_N

ClientSampleId :

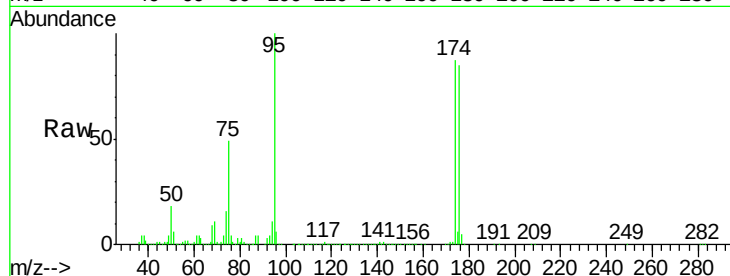
Tot Ion: 95 Resp: 978569

Ion Ratio Lower Upper

95 100

174 91.4 0.0 179.6

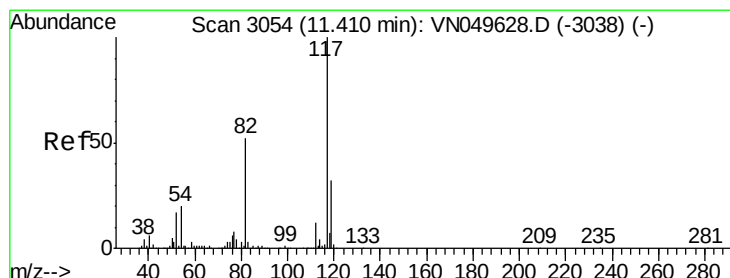
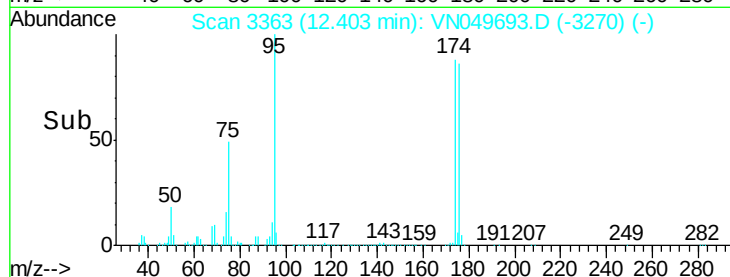
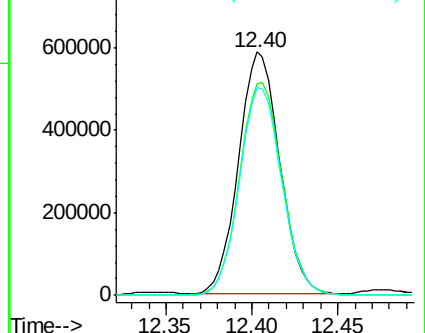
176 88.2 0.0 174.0



Abundance Ion 94.90 (94.60 to 95.60): VN049628.D (-3345) (-)

Ion 173.80 (173.50 to 174.50): VN049628.D (-3345) (-)

Ion 175.80 (175.50 to 176.50): VN049628.D (-3345) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. -0.00 min

Lab File: VN049693.D

Acq: 3 Jul 2018 15:03

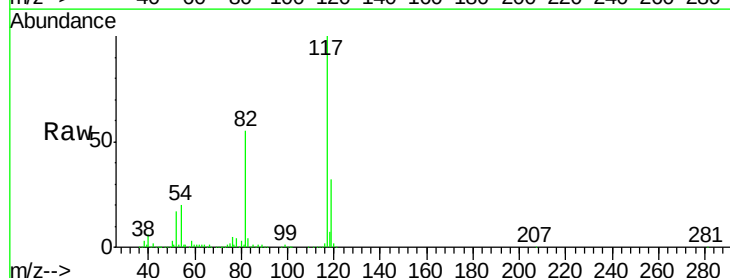
Tgt Ion: 117 Resp: 1871252

Ion Ratio Lower Upper

117 100

82 54.5 41.9 62.9

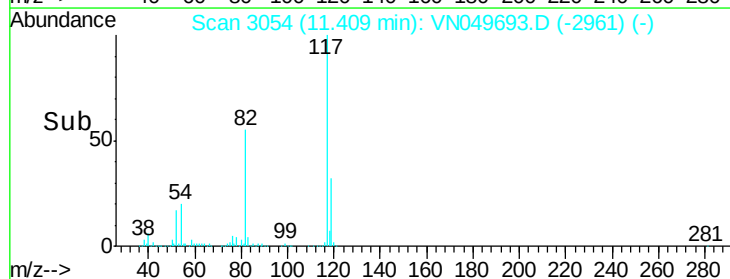
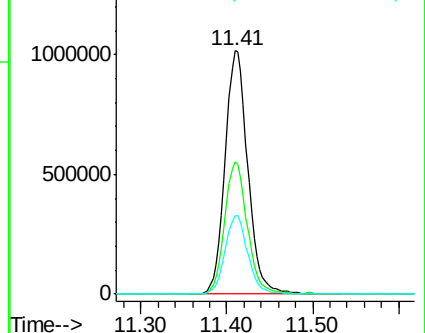
119 32.2 25.4 38.2

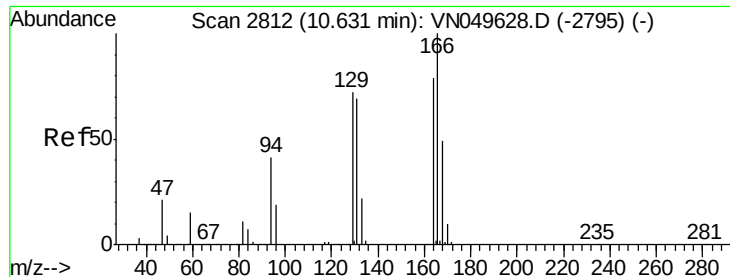


Abundance Ion 116.90 (116.60 to 117.60): VN049628.D (-3038) (-)

Ion 82.00 (81.70 to 82.70): VN049628.D (-3038) (-)

Ion 118.90 (118.60 to 119.60): VN049628.D (-3038) (-)





#64

Tetrachloroethene

Concen: 1.80 ug/l

RT: 10.63 min Scan# 2812

Delta R.T. -0.00 min

Lab File: VN049693.D

Acq: 3 Jul 2018 15:03

Instrument :

MSVOA_N

ClientSampled :

Tot Ion:164 Resp: 45504

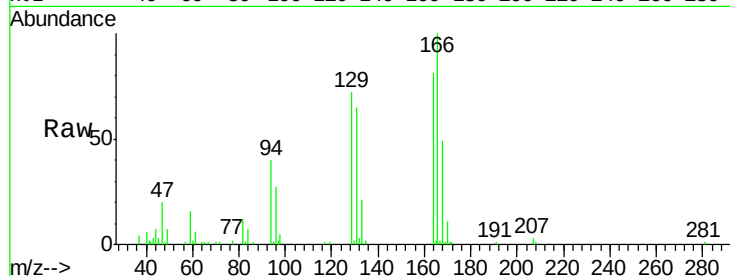
Ion Ratio Lower Upper

164 100

166 123.8 101.8 152.6

129 88.7 72.8 109.2

131 80.9 70.0 105.0

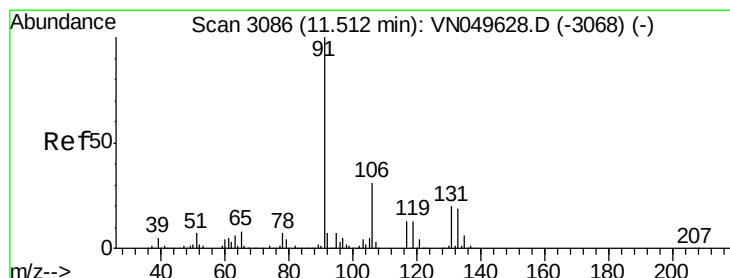
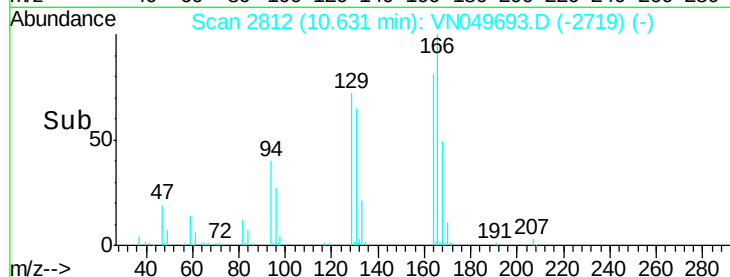
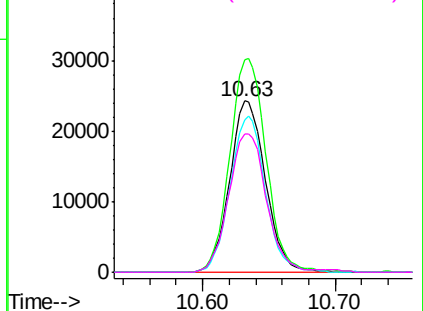


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#67

Ethyl Benzene

Concen: 0.69 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. -0.00 min

Lab File: VN049693.D

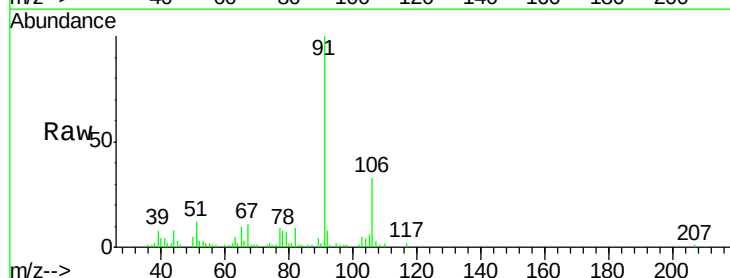
Acq: 3 Jul 2018 15:03

Tgt Ion: 91 Resp: 55799

Ion Ratio Lower Upper

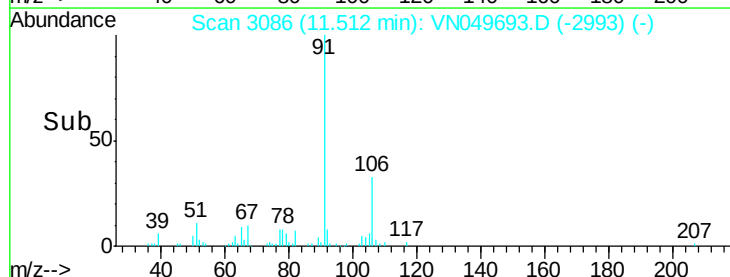
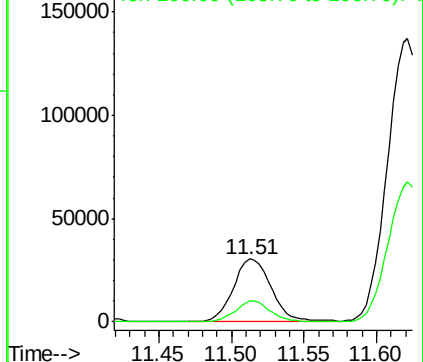
91 100

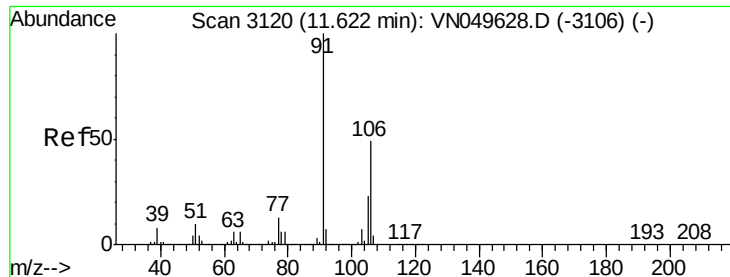
106 32.6 24.8 37.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V

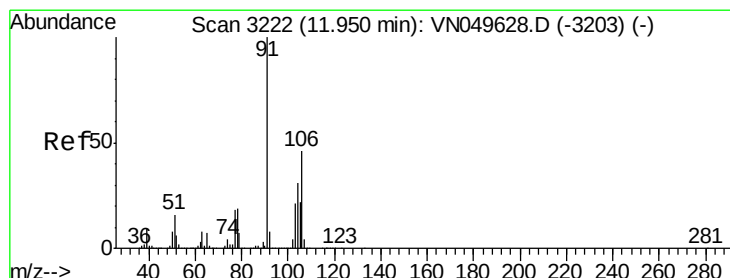
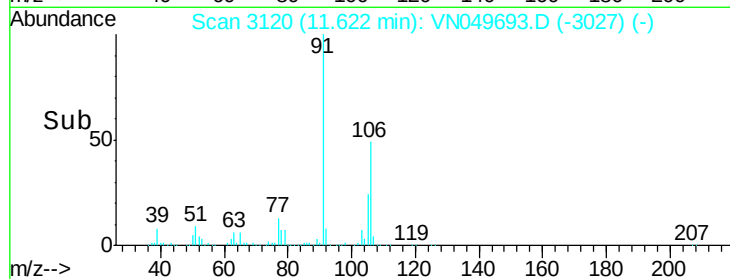
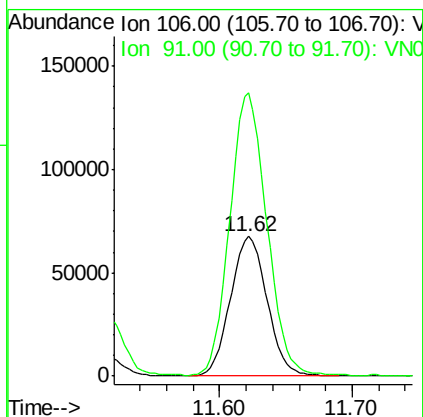
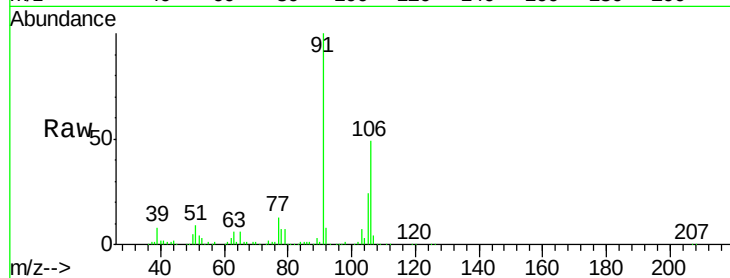




#68
m/p-Xylenes
Concen: 4.16 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN049693.D
Acq: 3 Jul 2018 15:03

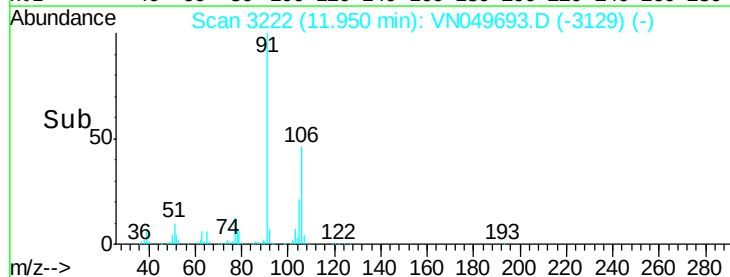
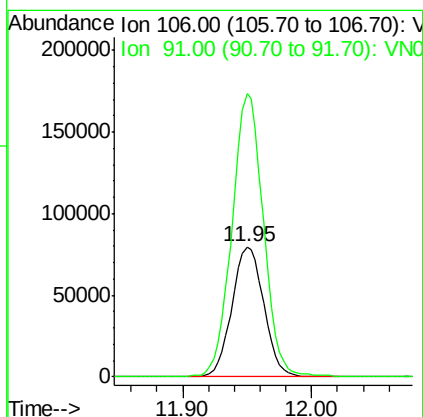
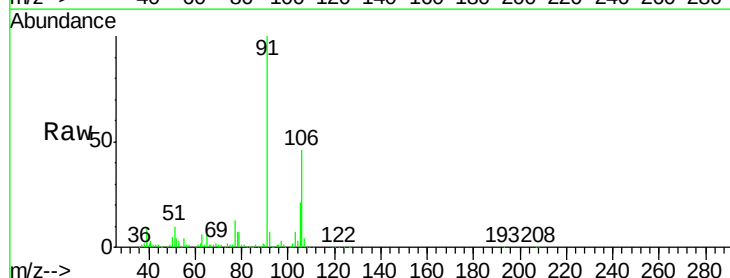
Instrument :
MSVOA_N
ClientSampled :

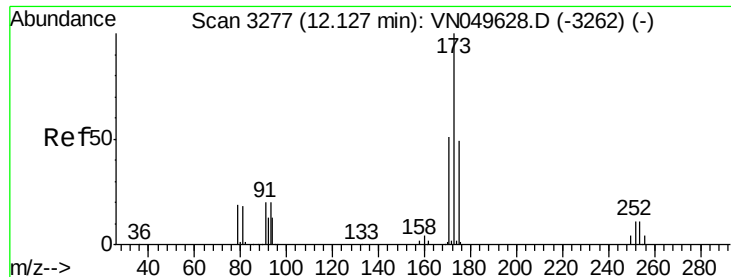
Tot Ion:106 Resp: 128562
Ion Ratio Lower Upper
106 100
91 205.4 163.4 245.2



#69
o-Xylene
Concen: 4.62 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN049693.D
Acq: 3 Jul 2018 15:03

Tgt Ion:106 Resp: 136762
Ion Ratio Lower Upper
106 100
91 215.4 108.7 326.1





#71

Bromoform

Concen: 0.36 ug/l

RT: 12.41 min Scan# 3364

Delta R.T. 0.28 min

Lab File: VN049693.D

Acq: 3 Jul 2018 15:03

Instrument :

MSVOA_N

ClientSampleId :

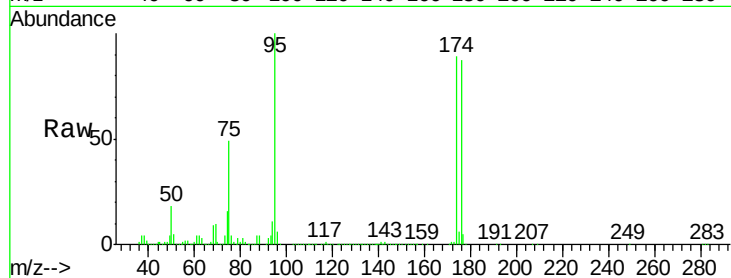
Tot Ion:173 Resp: 4222

Ion Ratio Lower Upper

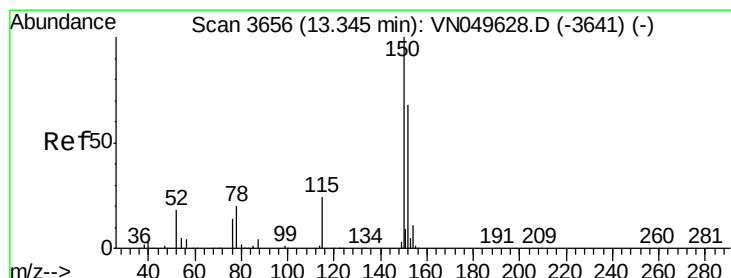
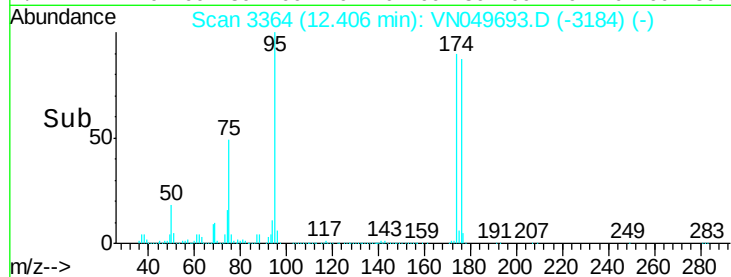
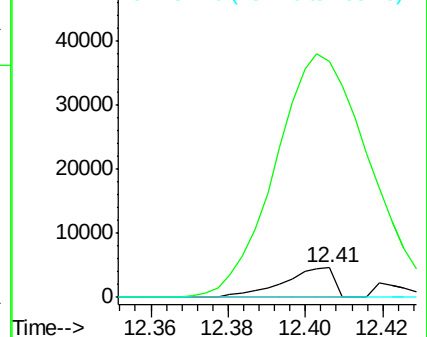
173 100

175 1208.6 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# 3657

Delta R.T. 0.00 min

Lab File: VN049693.D

Acq: 3 Jul 2018 15:03

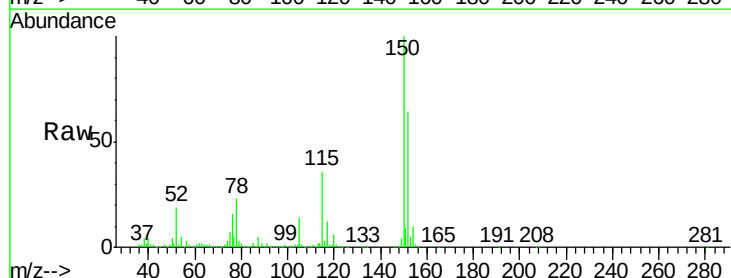
Tgt Ion:152 Resp: 955498

Ion Ratio Lower Upper

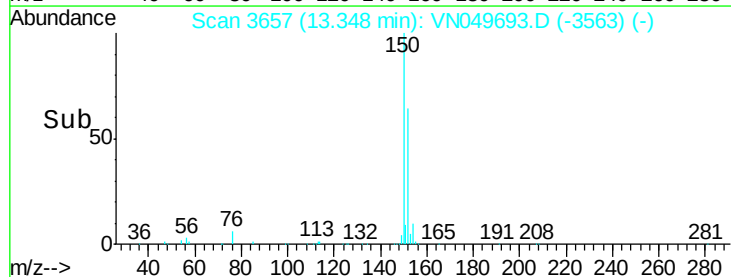
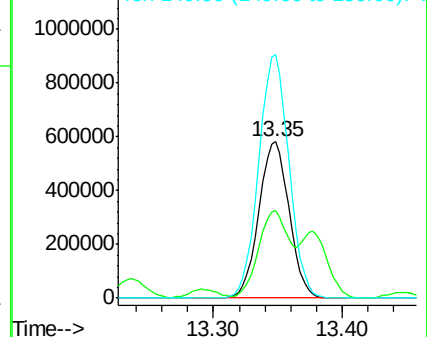
152 100

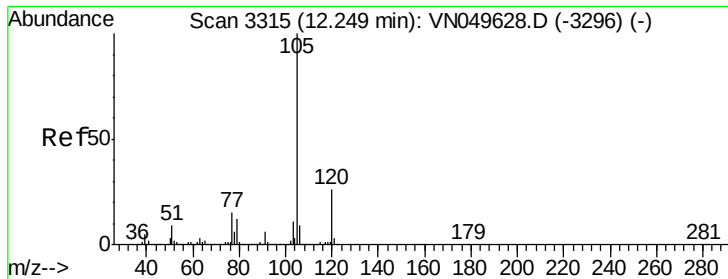
115 57.9 28.1 84.2

150 155.3 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: 6.40 ua/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049693.D

Acq: 3 Jul 2018 15:03

Instrument :

MSVOA_N

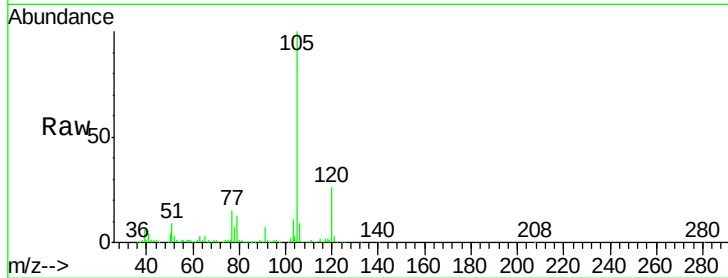
ClientSampleId :

Tot Ion:105 Resp: 486861

Ion Ratio Lower Upper

105 100

120 26.8 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

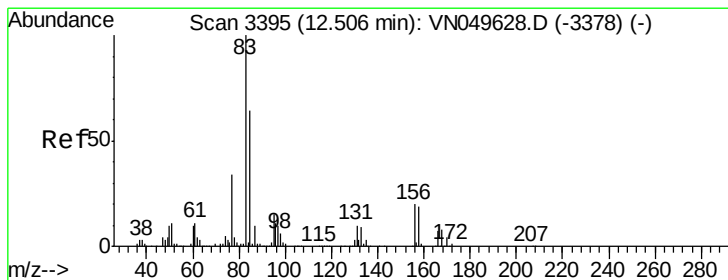
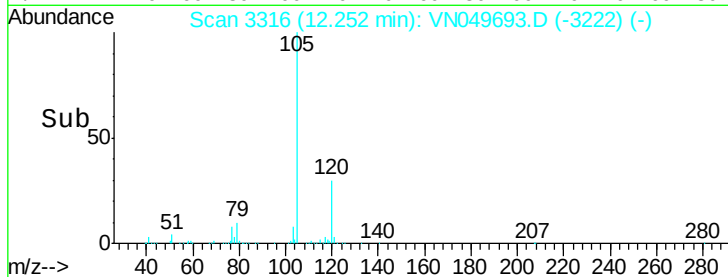
300000

200000

100000

0

Time-->



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.47 min Scan# 3383

Delta R.T. -0.04 min

Lab File: VN049693.D

Acq: 3 Jul 2018 15:03

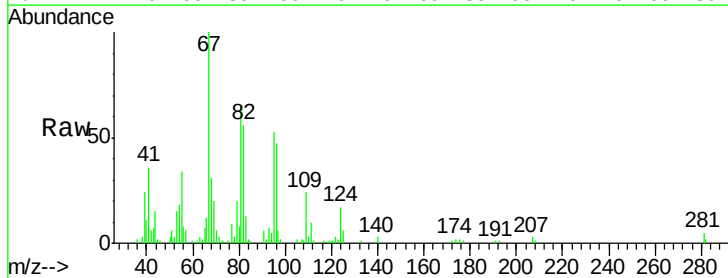
Tgt Ion: 83 Resp: 3274

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): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V

12.47

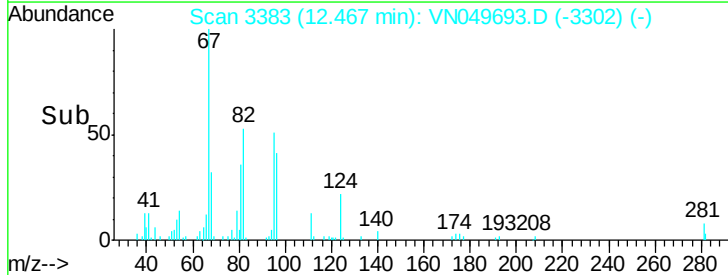
3000

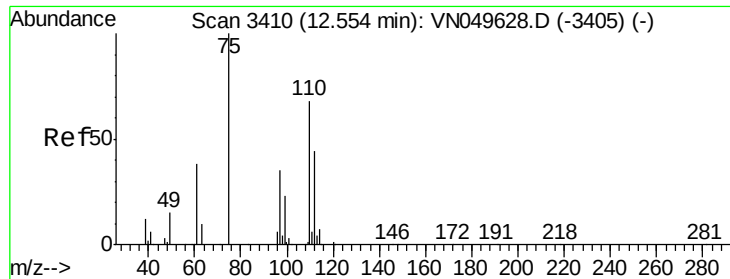
2000

1000

0

Time-->





#76

1,2,3-Trichloropropane

Concen: 3.51 ug/l

RT: 12.66 min Scan# 3442

Delta R.T. 0.10 min

Lab File: VN049693.D

Acq: 3 Jul 2018 15:03

Instrument :

MSVOA_N

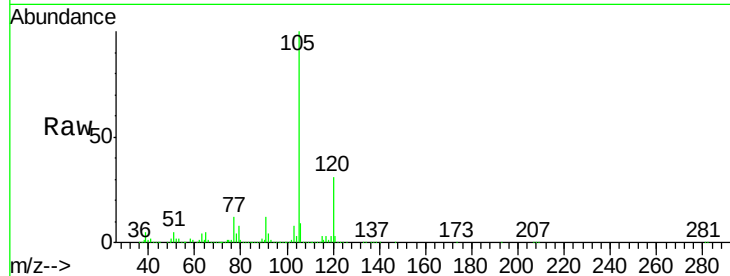
ClientSampled :

Tot Ion: 75 Resp: 53795

Ion Ratio Lower Upper

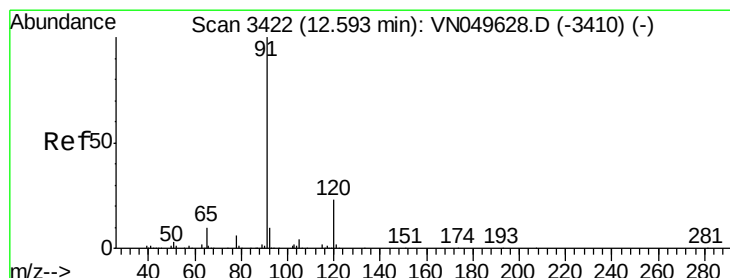
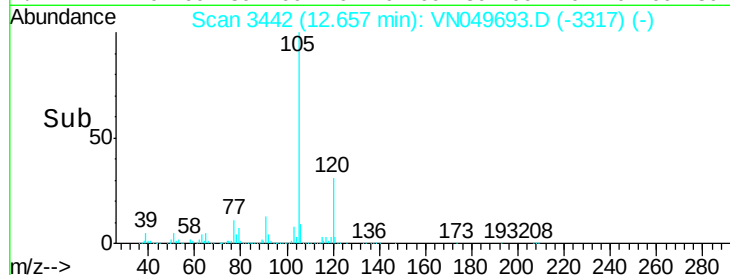
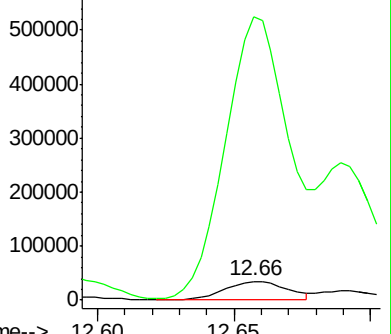
75 100

77 1604.7 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: 17.65 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN049693.D

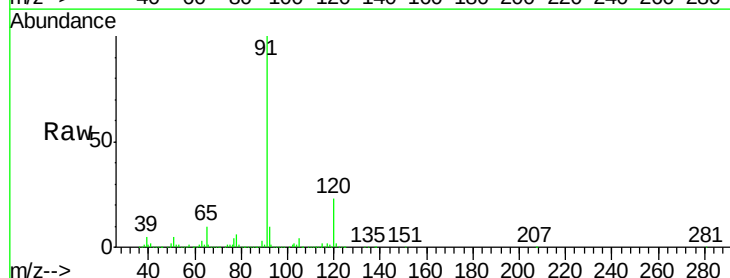
Acq: 3 Jul 2018 15:03

Tgt Ion: 91 Resp: 1539778

Ion Ratio Lower Upper

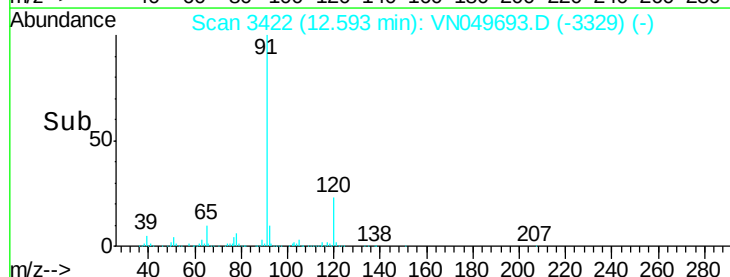
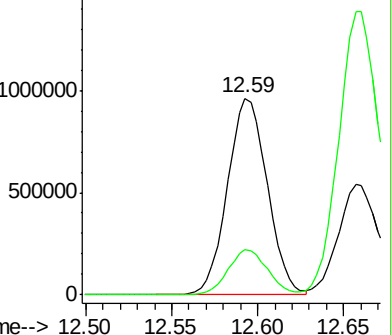
91 100

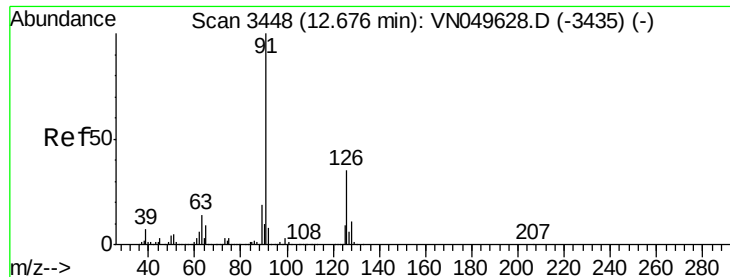
120 23.0 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 15.22 ug/l

RT: 12.66 min Scan# 3442

Delta R.T. -0.02 min

Lab File: VN049693.D

Acq: 3 Jul 2018 15:03

Instrument :

MSVOA_N

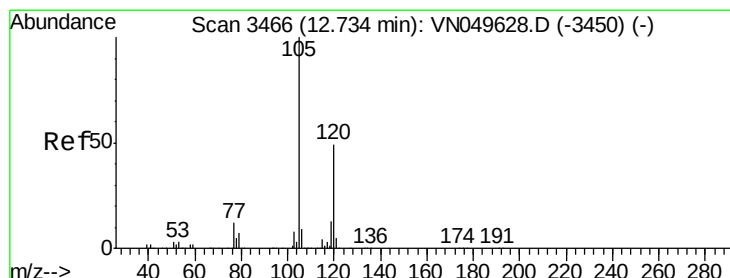
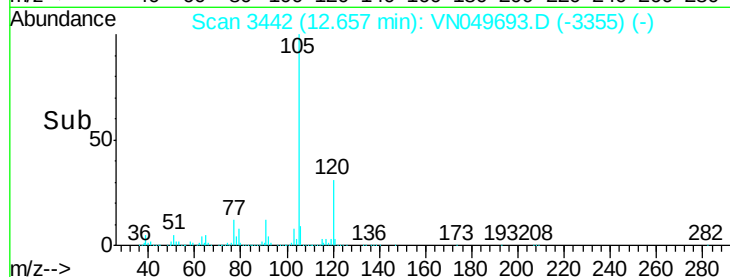
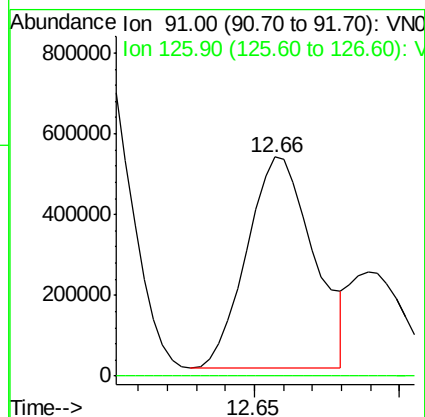
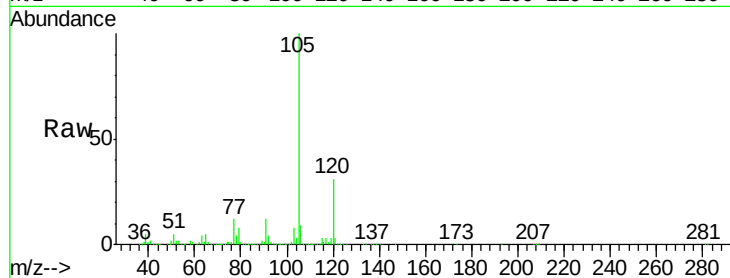
ClientSampled :

Tot Ion: 91 Resp: 840462

Ion Ratio Lower Upper

91 100

126 0.0 17.5 52.5#



#80

1,3,5-Trimethylbenzene

Concen: 102.67 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN049693.D

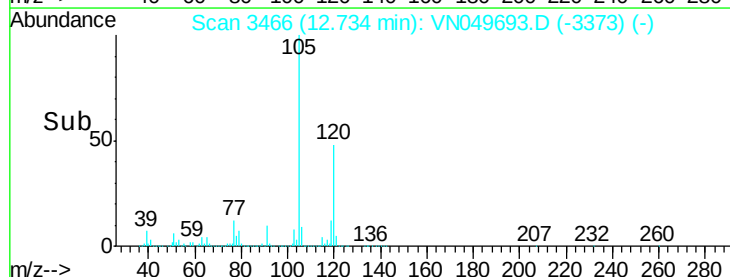
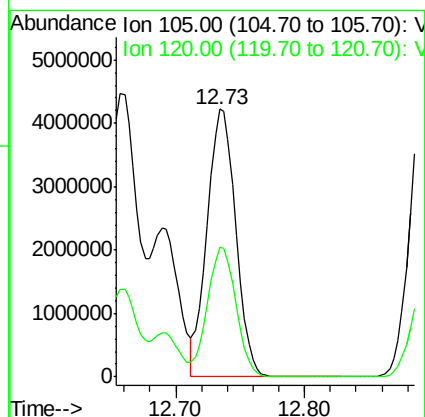
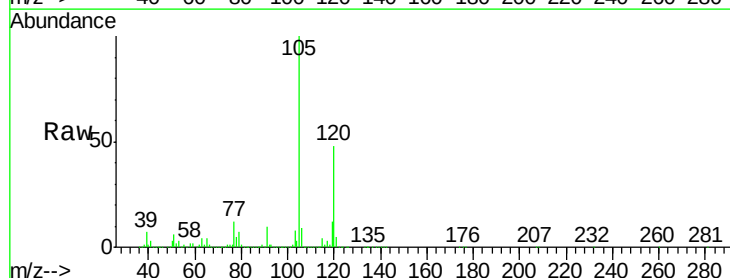
Acq: 3 Jul 2018 15:03

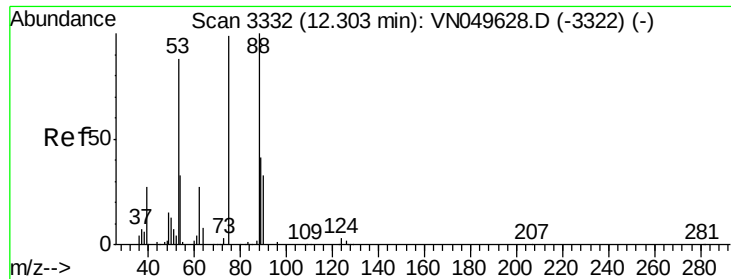
Tgt Ion:105 Resp: 6493751

Ion Ratio Lower Upper

105 100

120 48.4 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 106.43 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049693.D

Acq: 3 Jul 2018 15:03

Instrument :

MSVOA_N

ClientSampled :

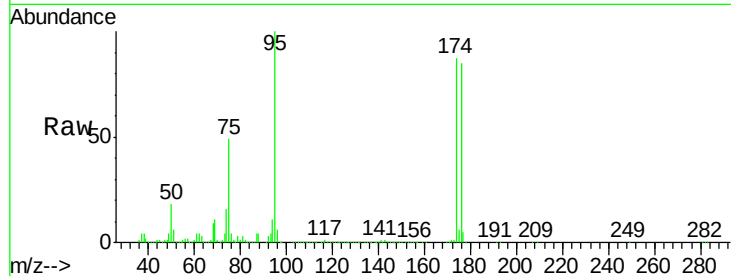
Tot Ion: 75 Resp: 480187

Ion Ratio Lower Upper

75 100

53 0.3 73.9 110.9#

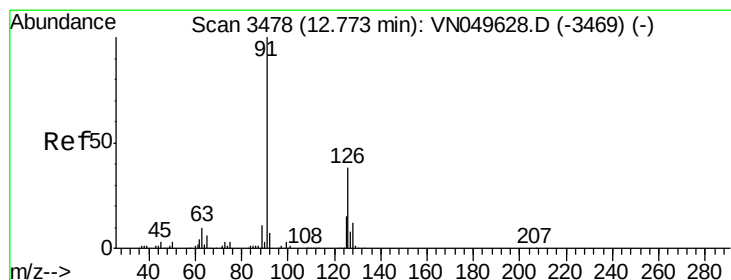
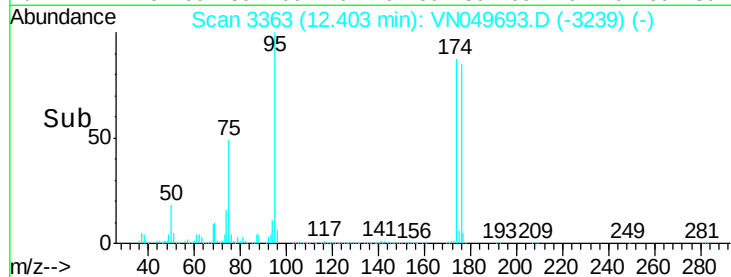
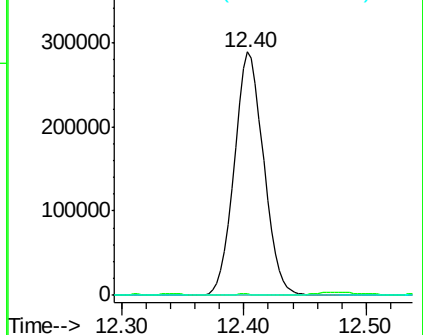
89 0.0 35.9 53.9#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 11.82 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.04 min

Lab File: VN049693.D

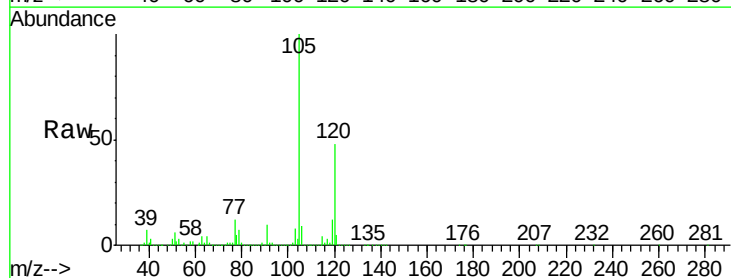
Acq: 3 Jul 2018 15:03

Tgt Ion: 91 Resp: 655971

Ion Ratio Lower Upper

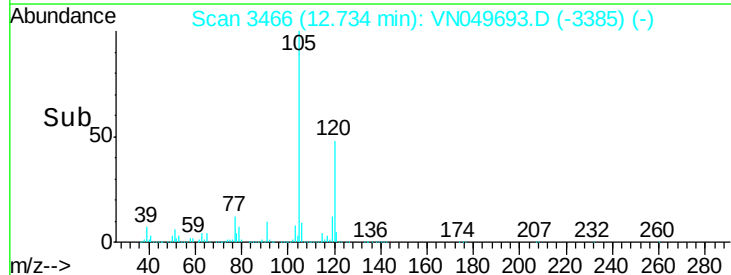
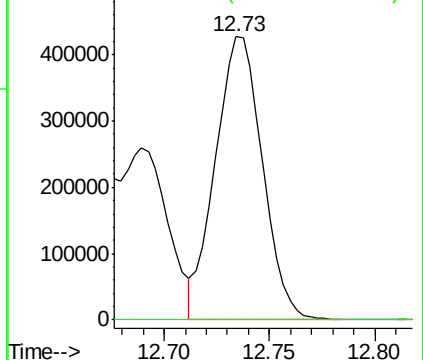
91 100

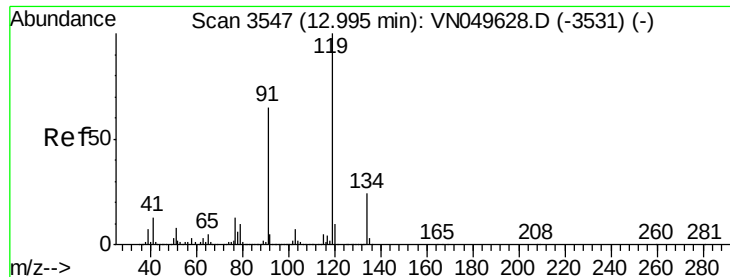
126 0.1 17.2 51.6#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 1.74 ug/l

RT: 13.00 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN049693.D

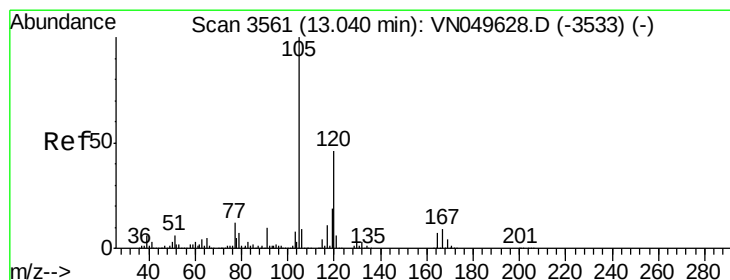
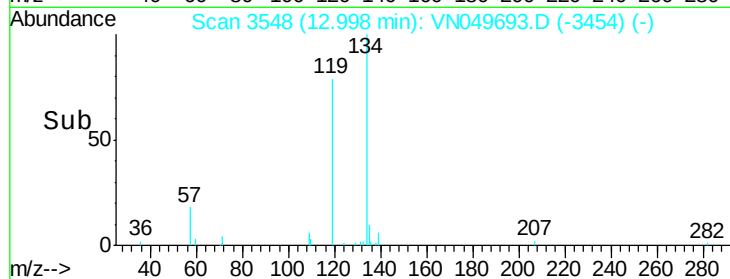
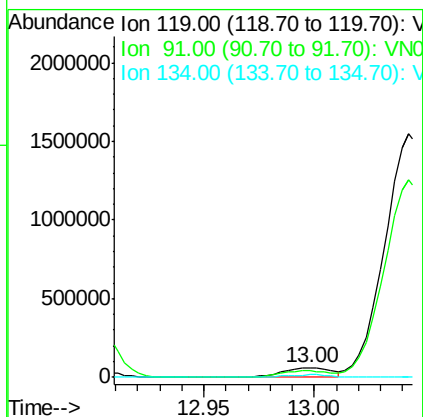
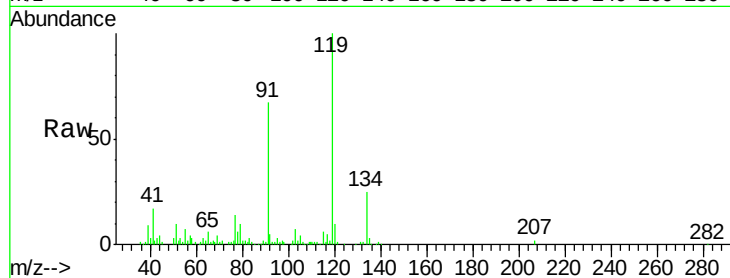
Acq: 3 Jul 2018 15:03

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:119	Resp:	94776
Ion Ratio	Lower	Upper
119	100	
91	0.0	32.0 96.2#
134	26.5	12.8 38.4



#84

1,2,4-Trimethylbenzene

Concen: 123.59 ug/l

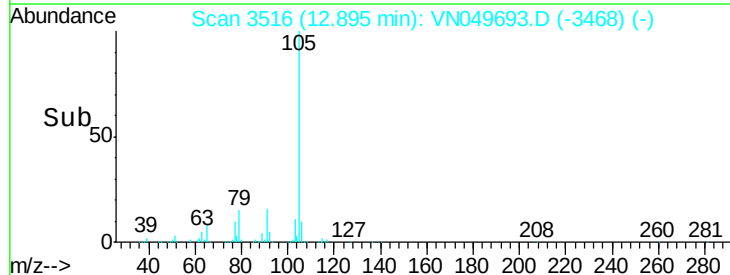
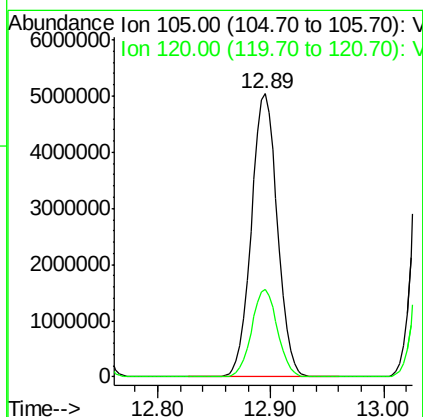
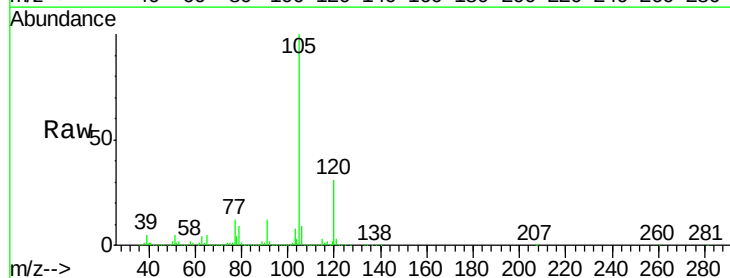
RT: 12.89 min Scan# 3516

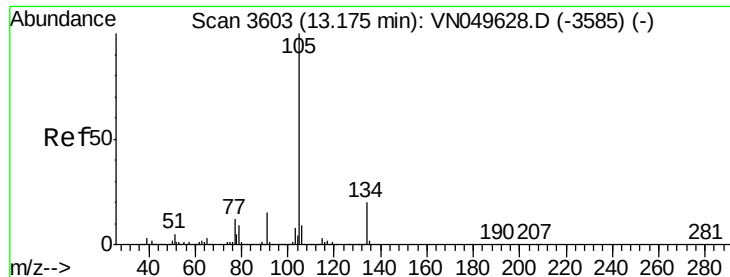
Delta R.T. -0.14 min

Lab File: VN049693.D

Acq: 3 Jul 2018 15:03

Tgt Ion:105	Resp:	8031862
Ion Ratio	Lower	Upper
105	100	
120	30.8	22.7 68.1





#85

sec-Butylbenzene

Concen: 7.75 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN049693.D

Acq: 3 Jul 2018 15:03

Instrument :

MSVOA_N

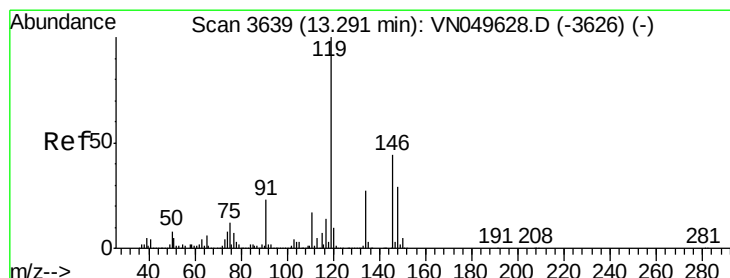
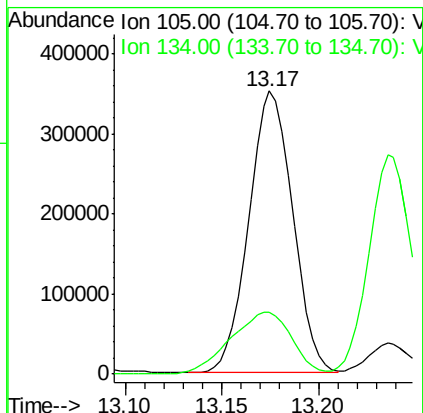
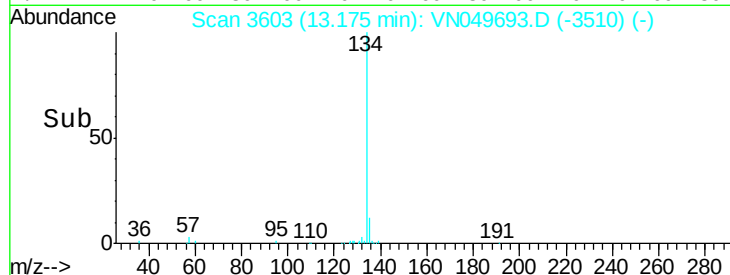
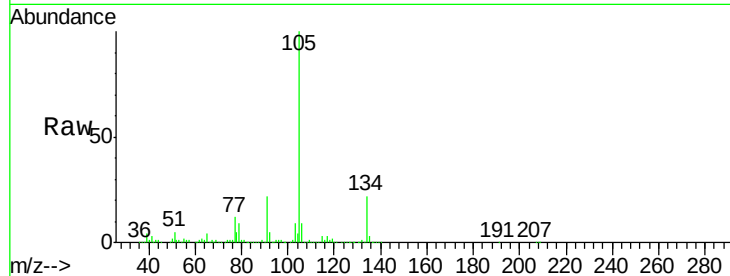
ClientSampleId :

Tot Ion:105 Resp: 557585

Ion Ratio Lower Upper

105 100

134 30.5 10.1 30.1#



#86

p-Isopropyltoluene

Concen: 10.61 ug/l

RT: 13.29 min Scan# 3640

Delta R.T. 0.00 min

Lab File: VN049693.D

Acq: 3 Jul 2018 15:03

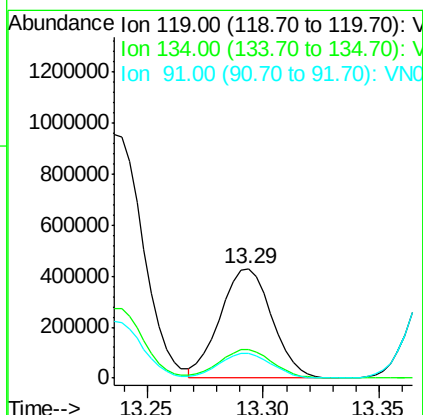
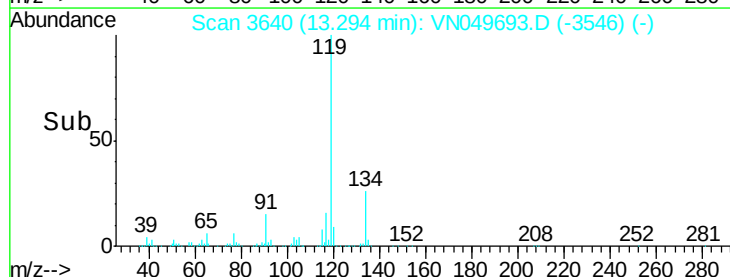
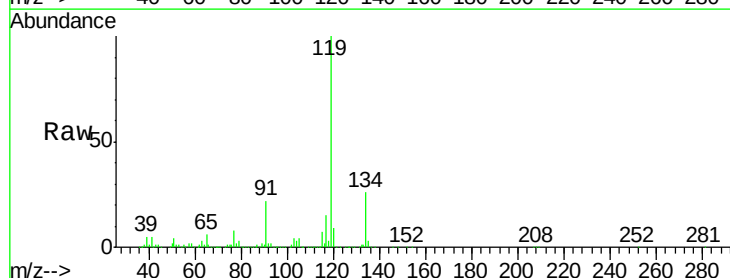
Tgt Ion:119 Resp: 661748

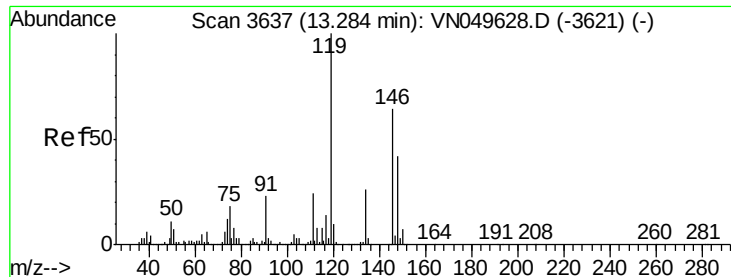
Ion Ratio Lower Upper

119 100

134 26.6 13.3 39.9

91 22.2 11.4 34.1





#87

1,3-Dichlorobenzene

Concen: Below Cal

RT: 13.29 min Scan# 3640

Delta R.T. 0.01 min

Lab File: VN049693.D

Acq: 3 Jul 2018 15:03

Instrument :

MSVOA_N

ClientSampleId :

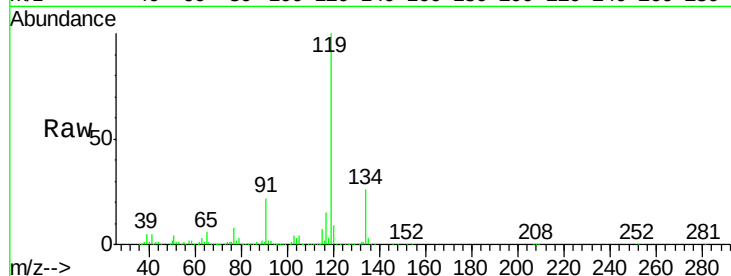
Tot Ion:146 Resp: 823

Ion Ratio Lower Upper

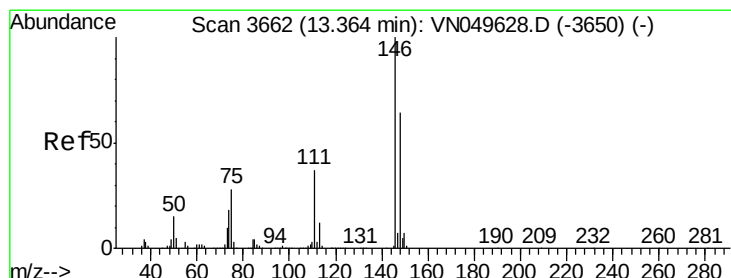
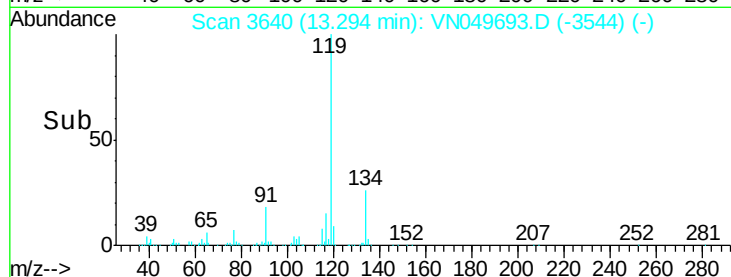
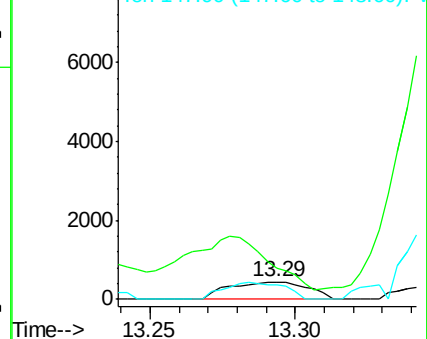
146 100

111 302.8 19.0 57.0#

148 75.3 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# 3663

Delta R.T. 0.00 min

Lab File: VN049693.D

Acq: 3 Jul 2018 15:03

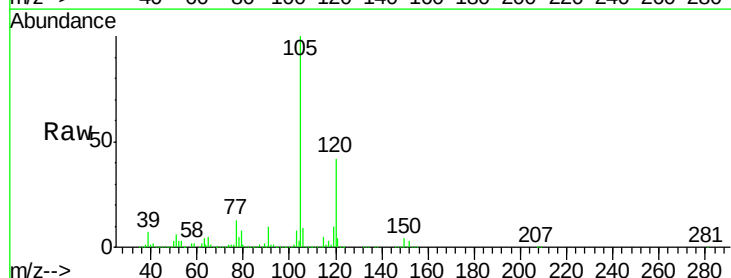
Tgt Ion:146 Resp: 1749

Ion Ratio Lower Upper

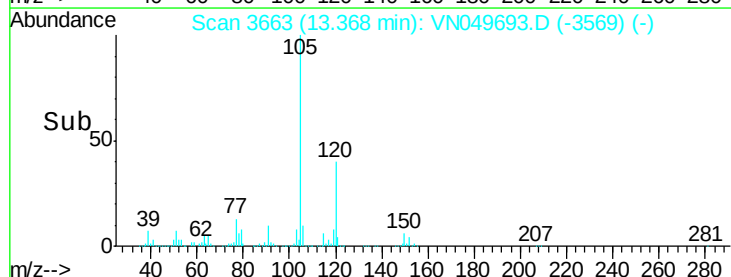
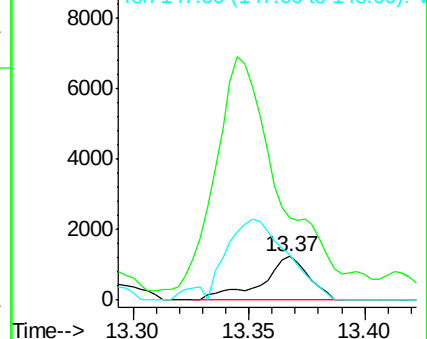
146 100

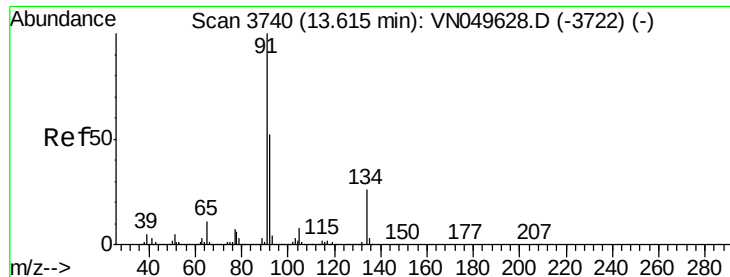
111 0.0 18.9 56.5#

148 0.0 32.1 96.3#



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





#89

n-Butylbenzene

Concen: 2.86 ug/l

RT: 13.59 min Scan# 3731

Delta R.T. -0.03 min

Lab File: VN049693.D

Acq: 3 Jul 2018 15:03

Instrument :

MSVOA_N

ClientSampleId :

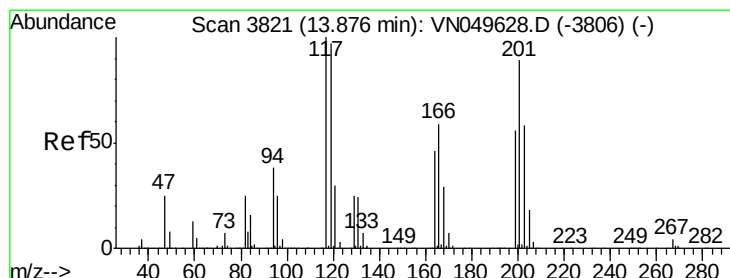
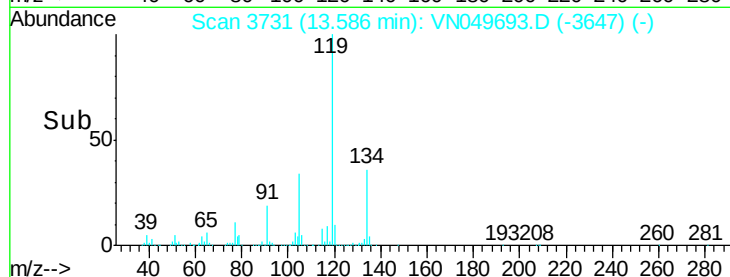
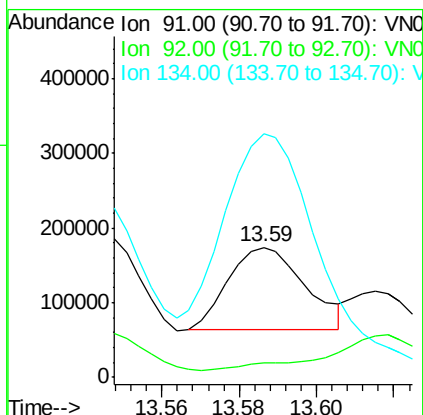
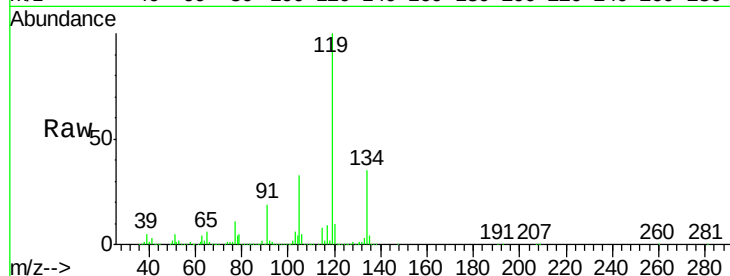
Tot Ion: 91 Resp: 152779

Ion Ratio Lower Upper

91 100

92 0.0 25.8 77.3#

134 389.7 13.0 38.9#



#90

Hexachloroethane

Concen: 14.00 ug/l

RT: 13.89 min Scan# 3826

Delta R.T. 0.02 min

Lab File: VN049693.D

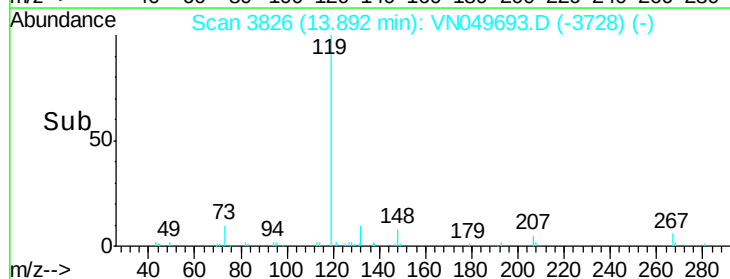
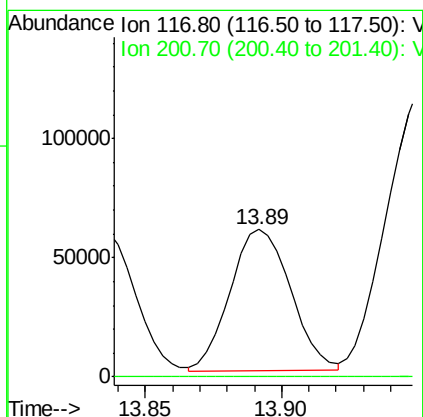
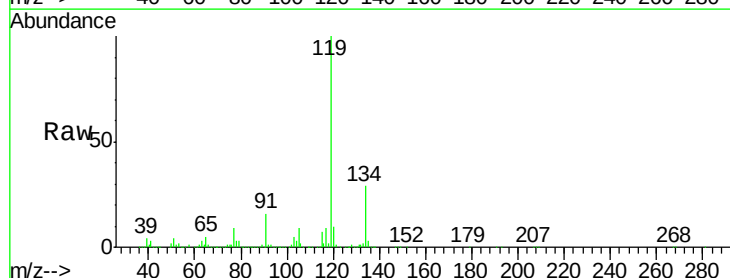
Acq: 3 Jul 2018 15:03

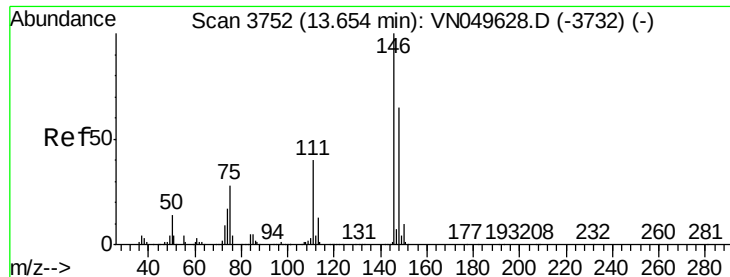
Tgt Ion: 117 Resp: 91667

Ion Ratio Lower Upper

117 100

201 0.0 45.3 135.8#





#91

1,2-Dichlorobenzene

Concen: Below Cal

RT: 13.66 min Scan# 3753

Delta R.T. 0.00 min

Lab File: VN049693.D

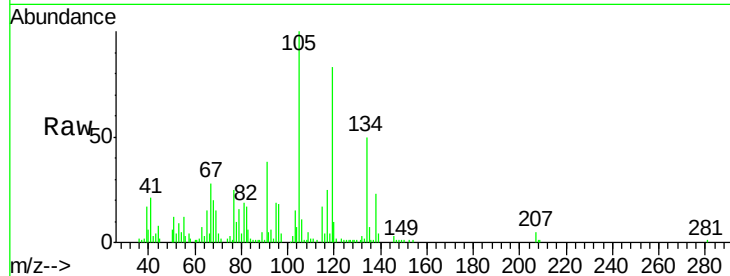
Acq: 3 Jul 2018 15:03

Instrument :

MSVOA_N

ClientSampled :

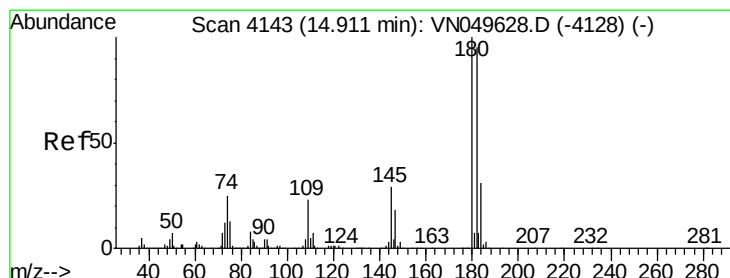
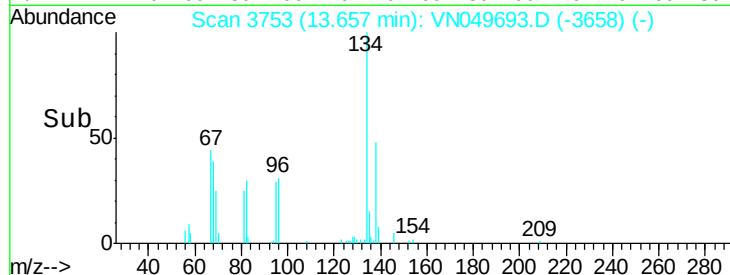
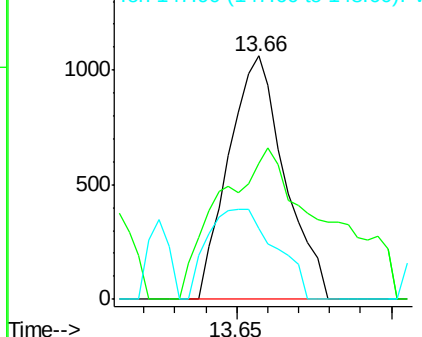
Tot Ion:	146	Resp:	1337
Ion	Ratio	Lower	Upper
146	100		
111	118.0	19.7	59.1#
148	45.0	32.0	96.2



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



#93

1,2,4-Trichlorobenzene

Concen: 2.46 ug/l

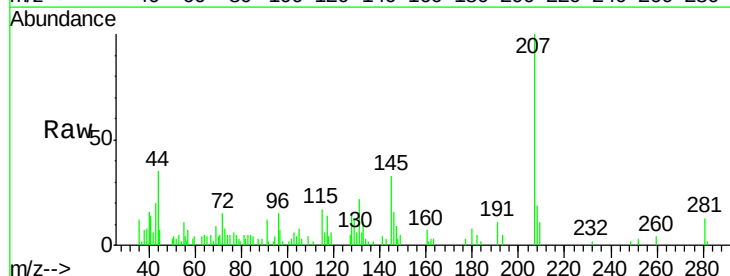
RT: 14.91 min Scan# 4143

Delta R.T. -0.00 min

Lab File: VN049693.D

Acq: 3 Jul 2018 15:03

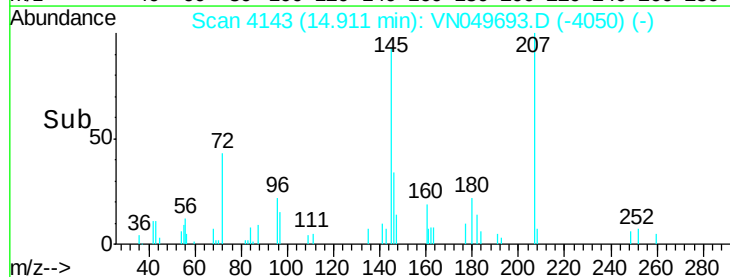
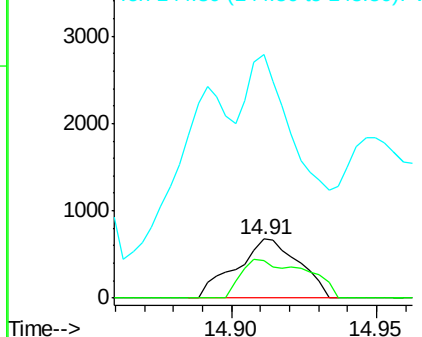
Tgt Ion:	180	Resp:	1015
Ion	Ratio	Lower	Upper
180	100		
182	68.0	47.3	141.9
145	378.5	14.4	43.0#

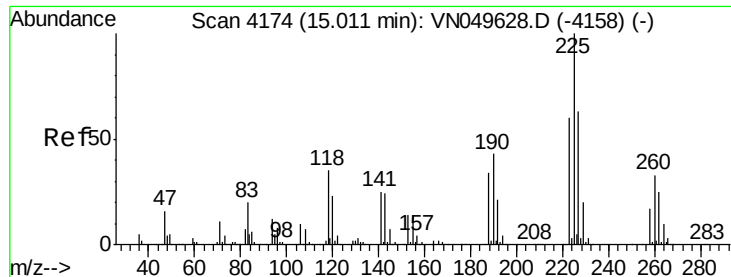


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4175

Delta R.T. 0.00 min

Lab File: VN049693.D

Acq: 3 Jul 2018 15:03

Instrument :

MSVOA_N

ClientSampled :

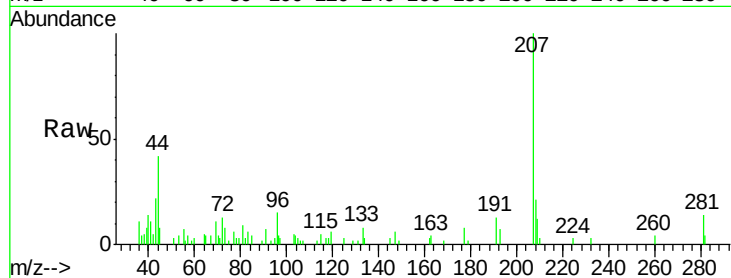
Tot Ion:225 Resp: 108

Ion Ratio Lower Upper

225 100

223 90.7 30.9 92.7

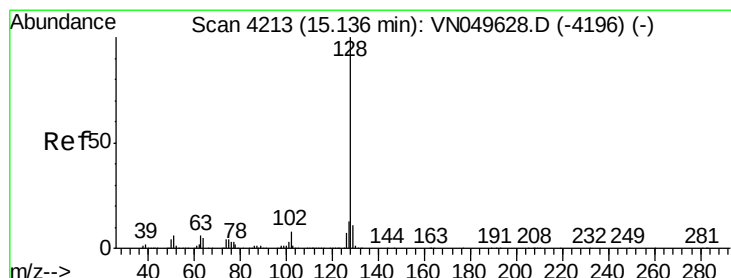
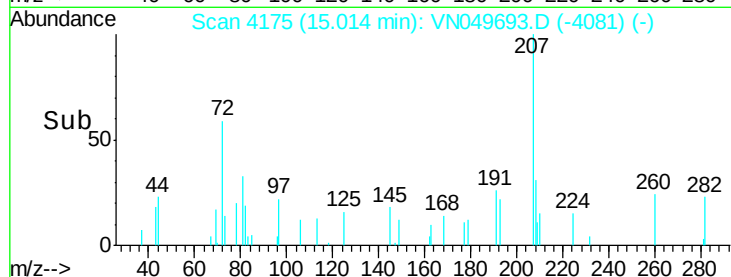
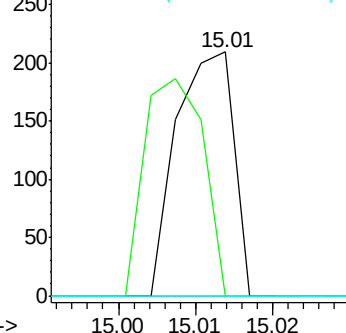
227 0.0 31.8 95.4#



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: 7.51 ug/l

RT: 15.14 min Scan# 4214

Delta R.T. 0.00 min

Lab File: VN049693.D

Acq: 3 Jul 2018 15:03

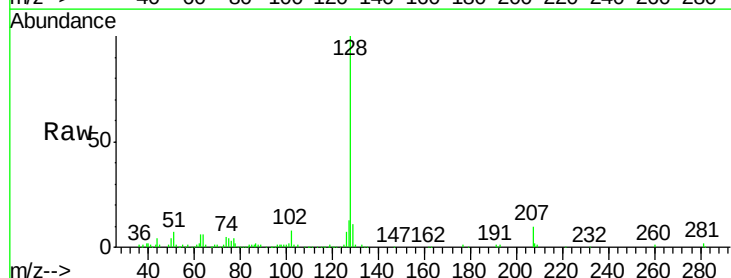
Tgt Ion:128 Resp: 146322

Ion Ratio Lower Upper

128 100

127 13.2 10.4 15.6

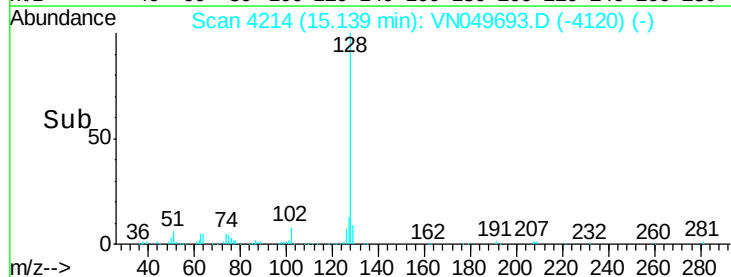
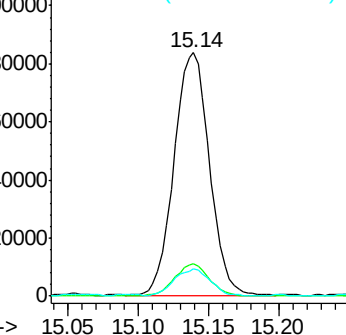
129 11.1 8.6 13.0

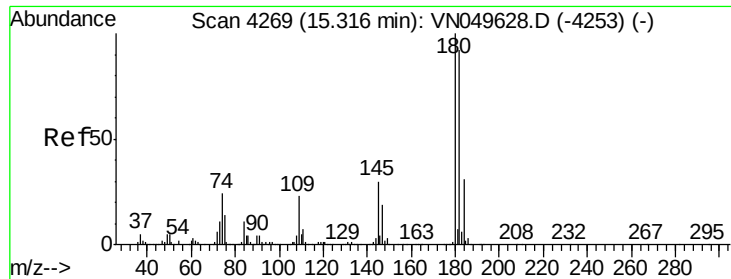


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 1.70 ua/l
 RT: 15.32 min Scan# 4270
 Delta R.T. 0.00 min
 Lab File: VN049693.D
 Acq: 3 Jul 2018 15:03

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	55.8	47.4	142.2
145	0.0	15.2	45.6#

