

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071918\
 Data File : VN049935.D
 Acq On : 20 Jul 2018 00:12
 Operator : MD\SY
 Sample : J3620-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 CB-TCLP-12-0718

Quant Time: Jul 20 03:09:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071818W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 01:58:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	564382	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	935474	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	799908	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	304614	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	401130	51.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.42%	
35) Dibromofluoromethane	7.59	113	350779	44.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.34%	
50) Toluene-d8	10.09	98	1262096	44.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.22%	
62) 4-Bromofluorobenzene	12.40	95	355074	36.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	72.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	241	Below Cal	#	44
5) Bromomethane	2.56	94	609	Below Cal		87
11) Tert butyl alcohol	4.81	59	653	1.18	ug/l #	72
13) Acrolein	3.60	56	210	0.59	ug/l #	15
15) Acrylonitrile	4.99	53	591	0.24	ug/l #	56
16) Acetone	3.83	43	24513	12.21	ug/l	98
17) Carbon Disulfide	4.05	76	5525	0.30	ug/l #	82
18) Methyl Acetate	4.33	43	20808	2.51	ug/l	97
20) Methylene Chloride	4.55	84	25789	3.38	ug/l	98
25) 2-Butanone	6.85	43	5524	1.92	ug/l	91
29) Tetrahydrofuran	7.22	42	1249	0.69	ug/l #	91
30) Chloroform	7.37	83	11511	0.89	ug/l	95
31) Cyclohexane	7.66	56	11311	1.10	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	40709	3.91	ug/l #	49
38) Carbon Tetrachloride	7.67	117	52644	4.72	ug/l #	16
43) Isopropyl Acetate	8.17	43	235075	18.84	ug/l	98
47) Bromodichloromethane	9.40	83	4622	0.42	ug/l #	95
48) Methyl methacrylate	9.18	41	8363	1.34	ug/l #	23
51) 4-Methyl-2-Pentanone	9.99	43	3719	0.53	ug/l	93
56) Ethyl methacrylate	10.43	69	407	2.19	ug/l #	44
58) 2-Chloroethyl Vinyl ether	9.70	63	142	9.81	ug/l #	48
59) 2-Hexanone	10.77	43	18358	3.92	ug/l #	59
68) m/p-Xylenes	11.62	106	3926	0.32	ug/l	97
76) 1,2,3-Trichloropropane	12.40	75	172596	30.21	ug/l #	100
78) n-propylbenzene	12.59	91	7399	0.28	ug/l	92
80) 1,3,5-Trimethylbenzene	12.73	105	5384	0.29	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.40	75	172596	94.45	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.04	105	10032	0.53	ug/l	93
85) sec-Butylbenzene	13.17	105	4568	0.21	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	2316	0.21	ug/l	97
88) 1,4-Dichlorobenzene	13.28	146	2316	0.21	ug/l	96
89) n-Butylbenzene	13.62	91	4949	0.33	ug/l #	76
90) Hexachloroethane	13.89	117	2778	0.67	ug/l #	4
91) 1,2-Dichlorobenzene	13.66	146	2411	0.22	ug/l	95

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QLast Update : Thu Jul 19 01:58:39 2018
Response via : Initial Calibration

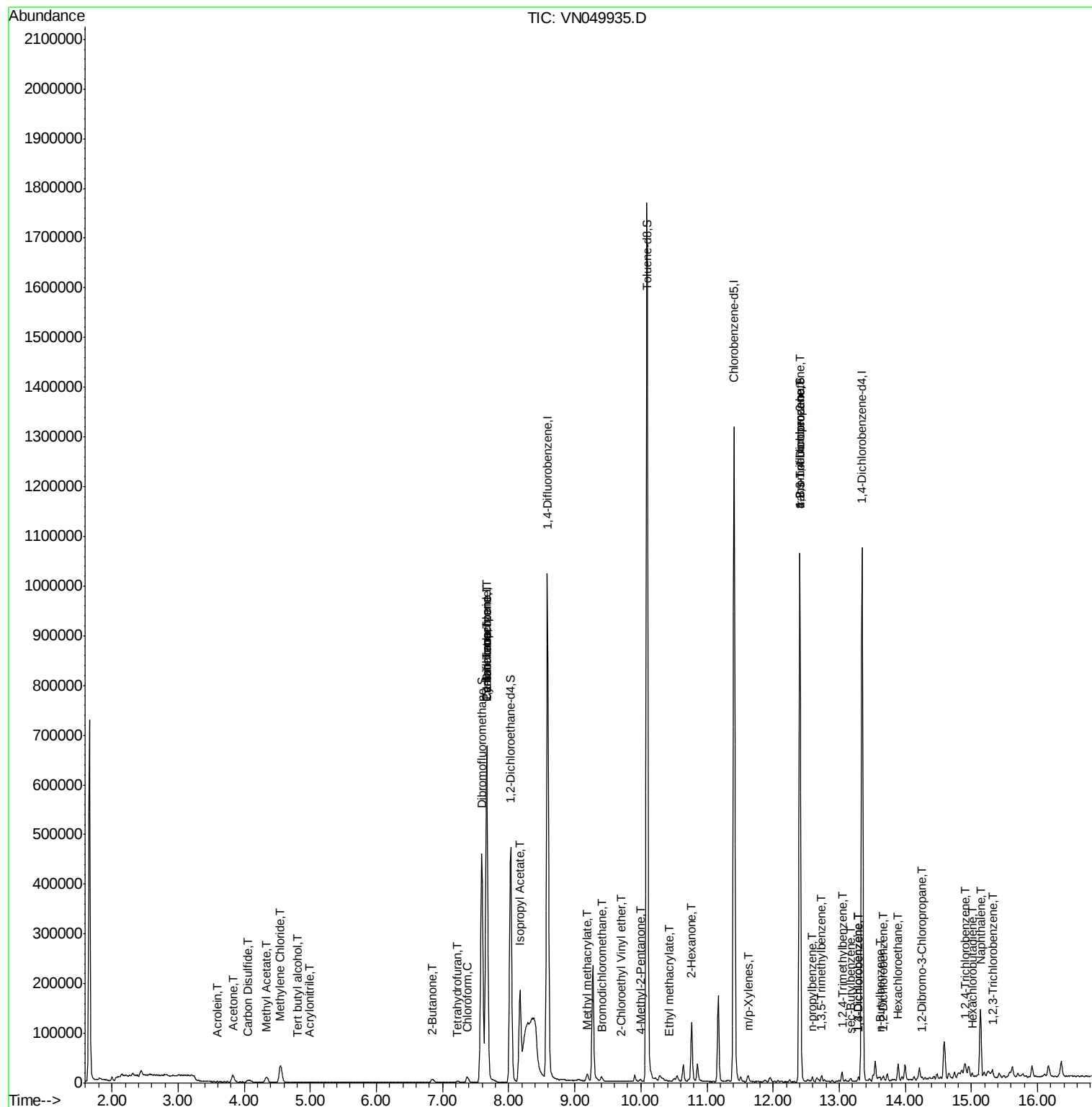
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
92) 1,2-Dibromo-3-Chloropropan	14.26	75	294	0.27	ug/l #	14
93) 1,2,4-Trichlorobenzene	14.91	180	4913	4.23	ug/l #	62
94) Hexachlorobutadiene	15.01	225	2263	0.63	ug/l	79
95) Naphthalene	15.14	128	120901	12.12	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	4886	0.93	ug/l #	76

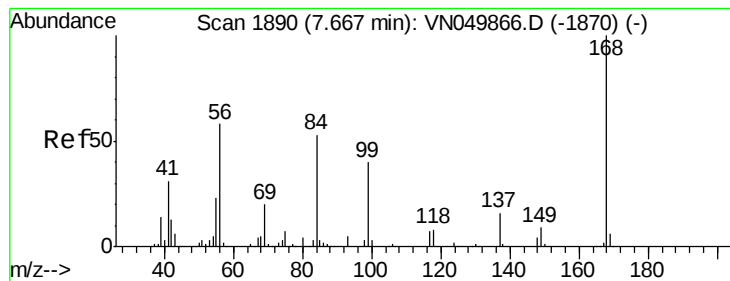
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN049935.D

Acq: 20 Jul 2018 00:12

Instrument :

MSVOA_N

ClientSampleId :

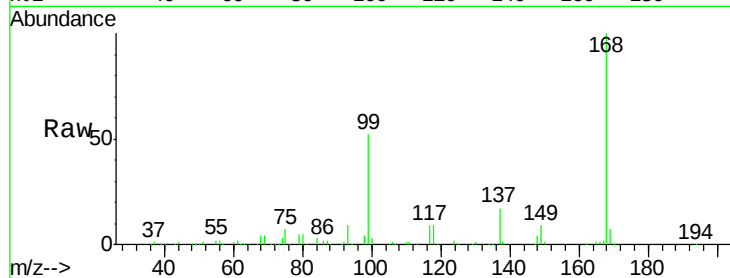
CB-TCLP-12-0718

Tot Ion:168 Resp: 564382

Ion Ratio Lower Upper

168 100

99 52.2 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

250000

200000

150000

100000

50000

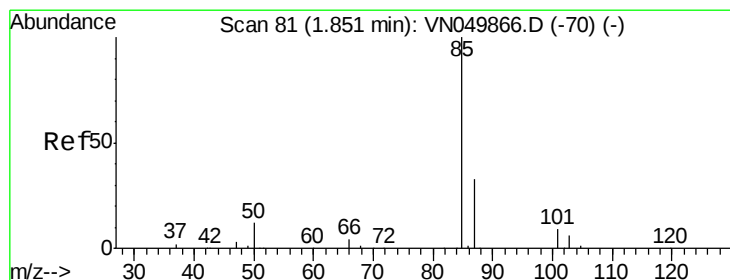
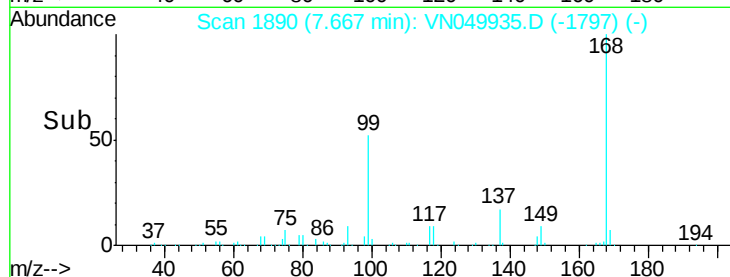
0

Time-->

7.60

7.70

7.80



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN049935.D

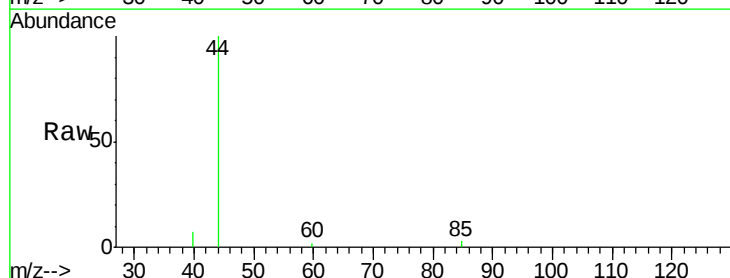
Acq: 20 Jul 2018 00:12

Tgt Ion: 85 Resp: 241

Ion Ratio Lower Upper

85 100

87 0.0 15.4 46.1#



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

250

200

150

100

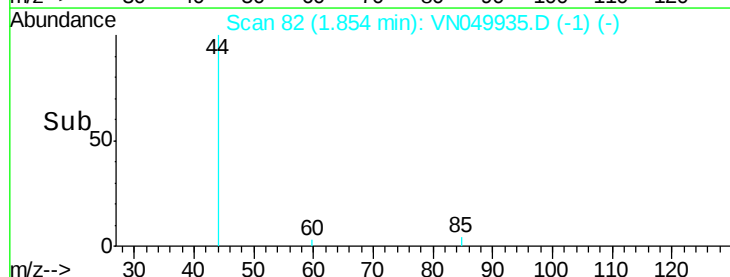
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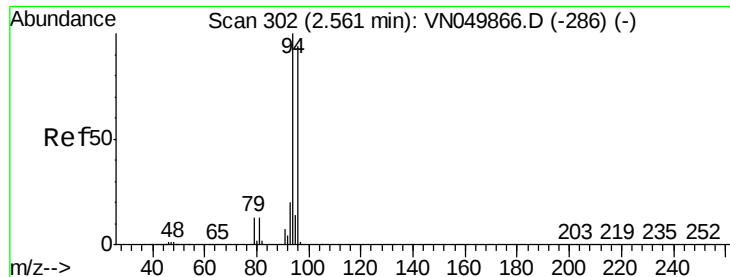
0

Time-->

1.84

1.86





#5

Bromomethane

Concen: Below Cal

RT: 2.56 min Scan# 302

Delta R.T. 0.00 min

Lab File: VN049935.D

Acq: 20 Jul 2018 00:12

Instrument :

MSVOA_N

ClientSampleId :

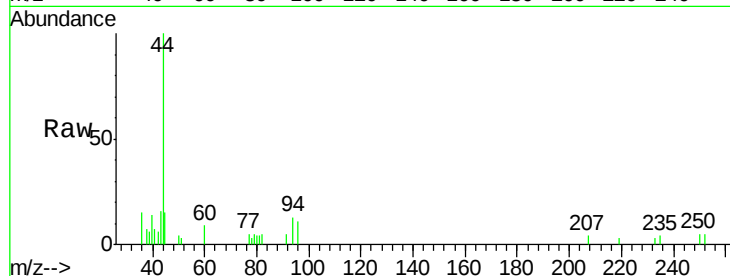
CB-TCLP-12-0718

Tot Ion: 94 Resp: 609

Ion Ratio Lower Upper

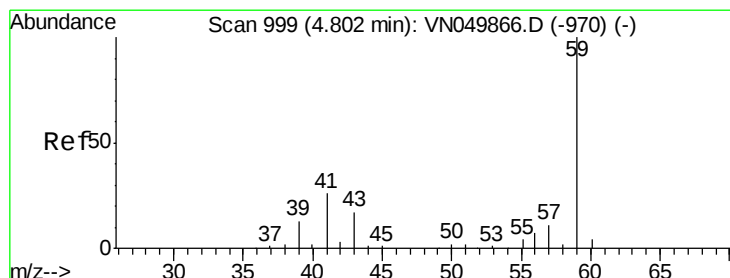
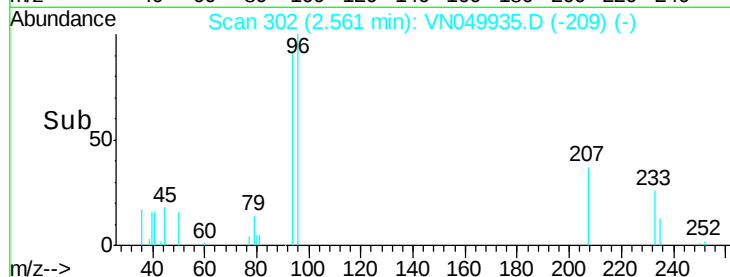
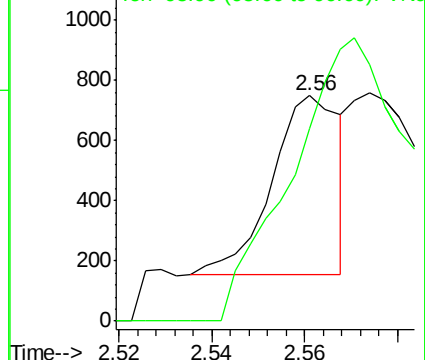
94 100

96 107.0 75.7 113.5



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#11

Tert butyl alcohol

Concen: 1.18 ug/l

RT: 4.81 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN049935.D

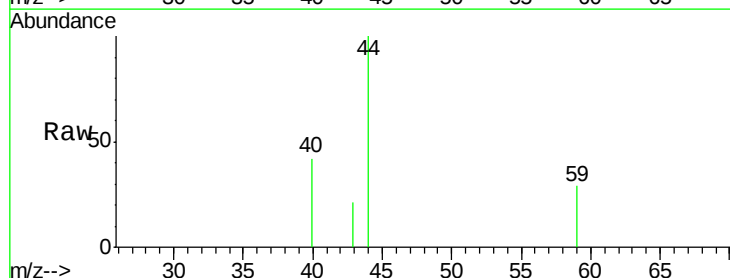
Acq: 20 Jul 2018 00:12

Tgt Ion: 59 Resp: 653

Ion Ratio Lower Upper

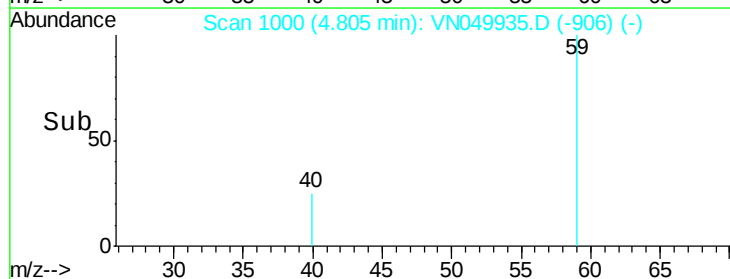
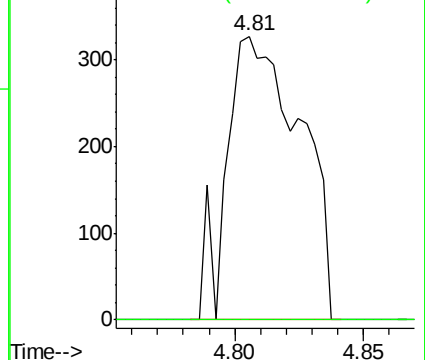
59 100

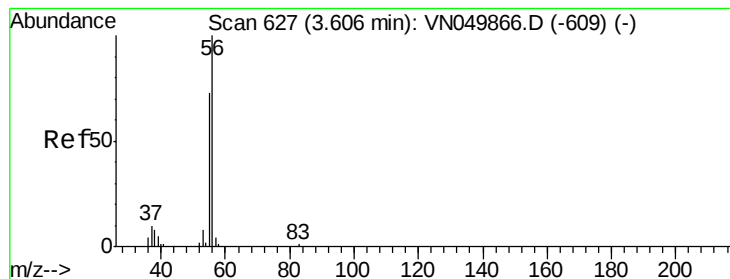
57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0





#13

Acrolein

Concen: 0.59 ug/l

RT: 3.60 min Scan# 626

Delta R.T. -0.00 min

Lab File: VN049935.D

Acq: 20 Jul 2018 00:12

Instrument :

MSVOA_N

ClientSampleId :

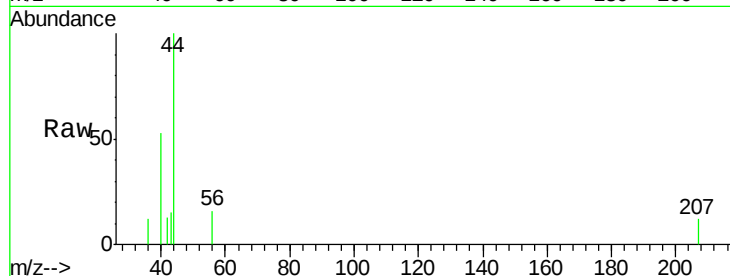
CB-TCLP-12-0718

Tot Ion: 56 Resp: 210

Ion Ratio Lower Upper

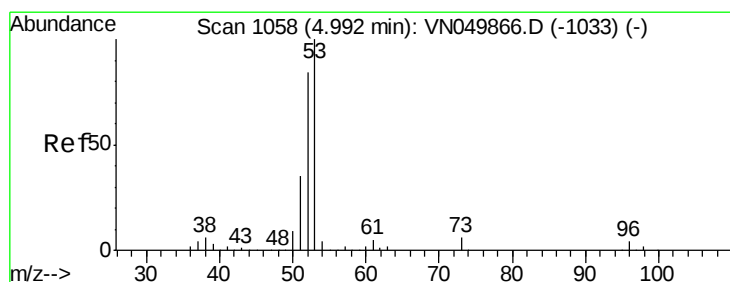
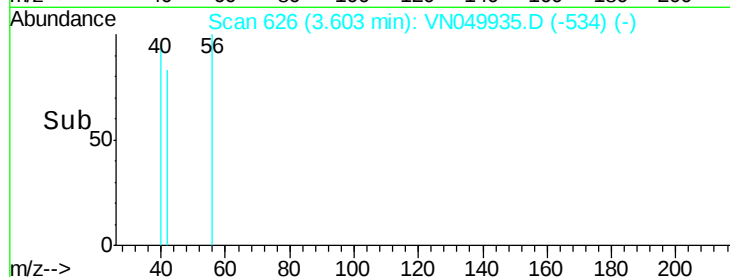
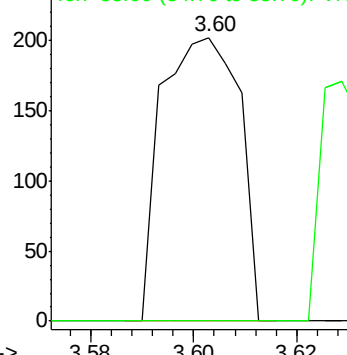
56 100

55 0.0 55.8 83.8#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#15

Acrylonitrile

Concen: 0.24 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. 0.00 min

Lab File: VN049935.D

Acq: 20 Jul 2018 00:12

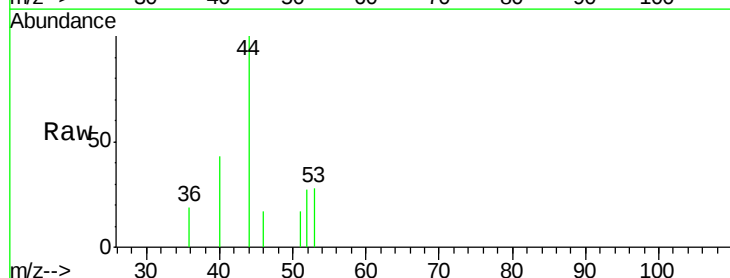
Tgt Ion: 53 Resp: 591

Ion Ratio Lower Upper

53 100

52 36.9 64.8 97.2#

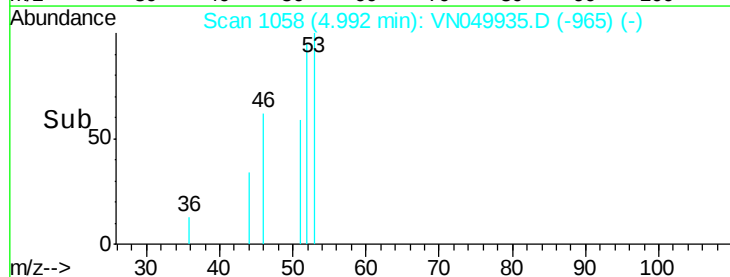
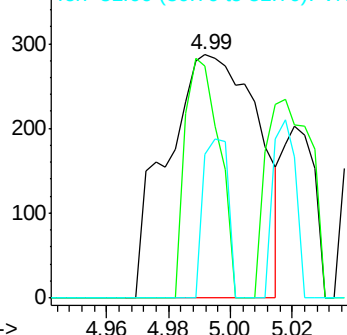
51 17.6 28.9 43.3#

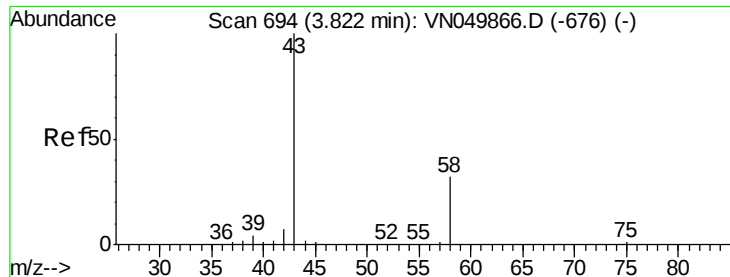


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#16

Acetone

Concen: 12.21 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.01 min

Lab File: VN049935.D

Acq: 20 Jul 2018 00:12

Instrument :

MSVOA_N

ClientSampleId :

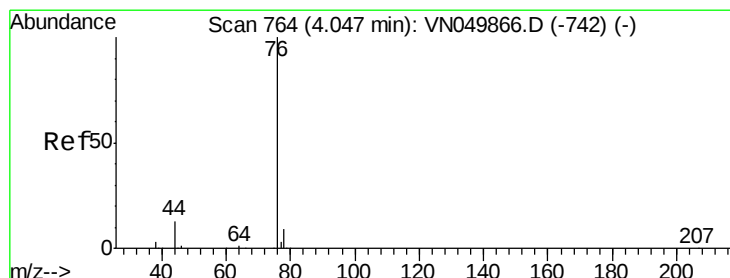
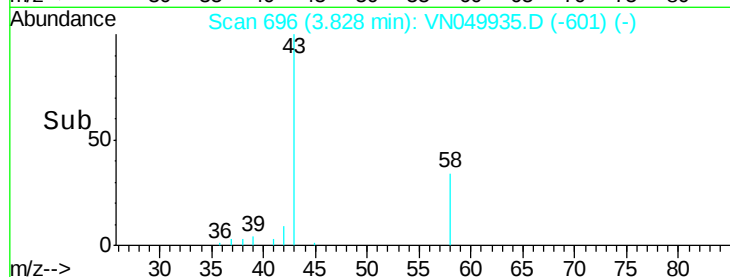
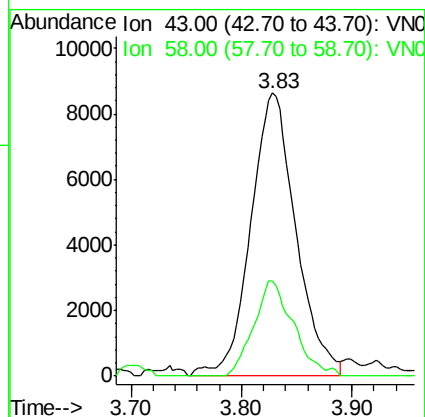
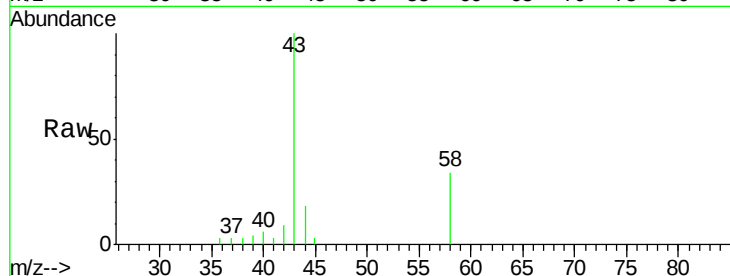
CB-TCLP-12-0718

Tot Ion: 43 Resp: 24513

Ion Ratio Lower Upper

43 100

58 33.6 25.9 38.9



#17

Carbon Disulfide

Concen: 0.30 ug/l

RT: 4.05 min Scan# 764

Delta R.T. 0.00 min

Lab File: VN049935.D

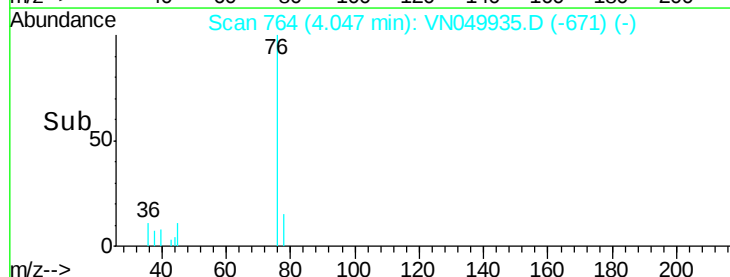
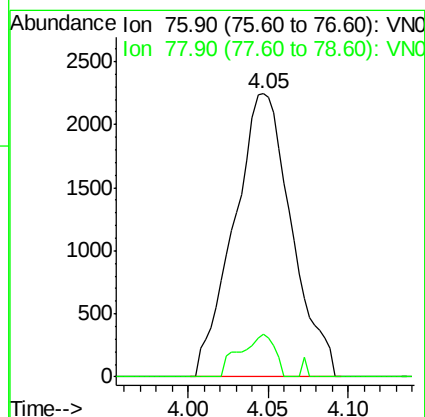
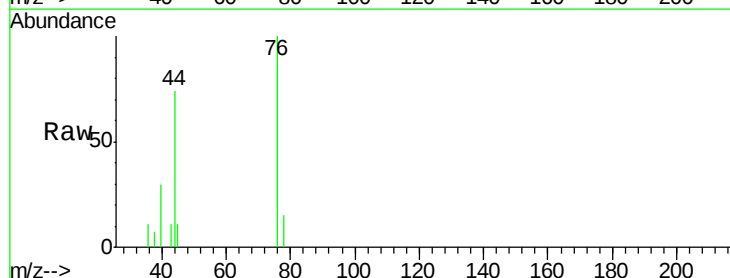
Acq: 20 Jul 2018 00:12

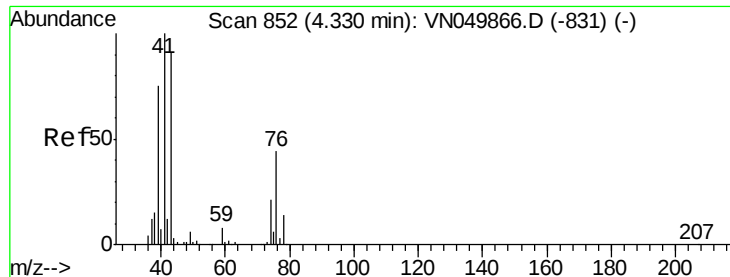
Tgt Ion: 76 Resp: 5525

Ion Ratio Lower Upper

76 100

78 15.3 7.1 10.7#

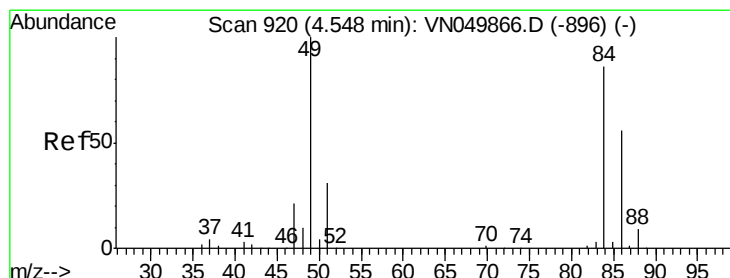
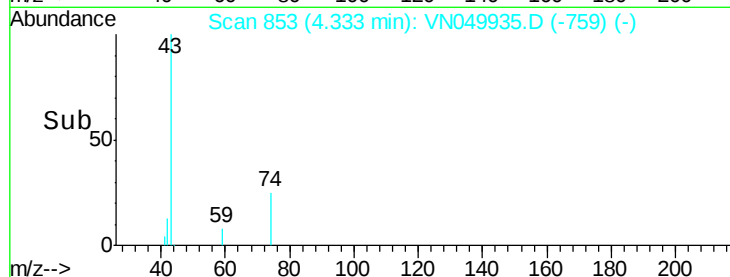
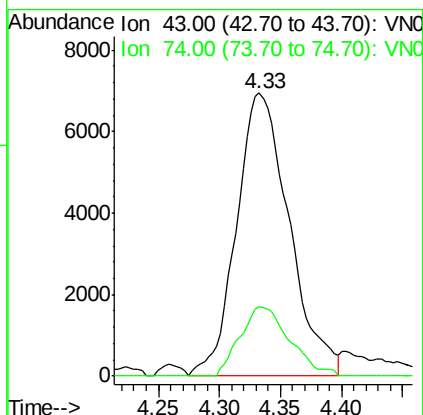
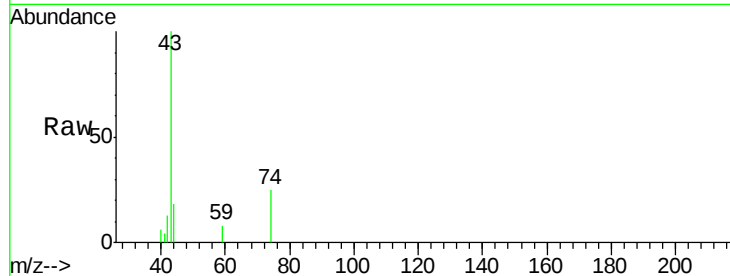




#18
Methvl Acetate
Concen: 2.51 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.00 min
Lab File: VN049935.D
Acq: 20 Jul 2018 00:12

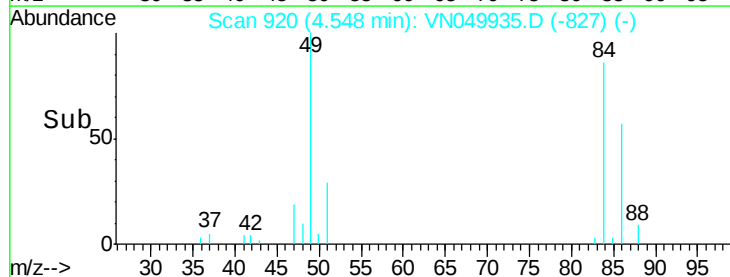
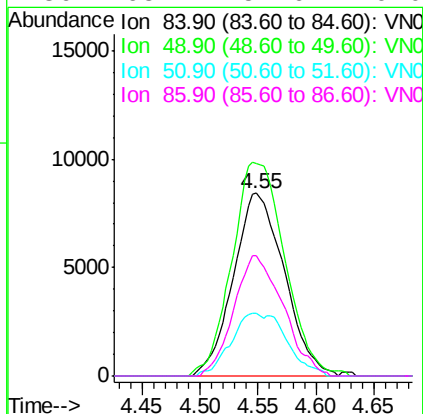
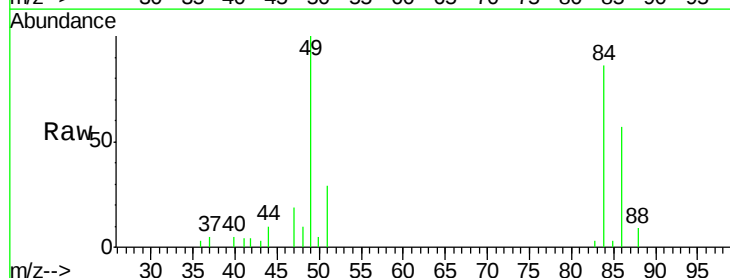
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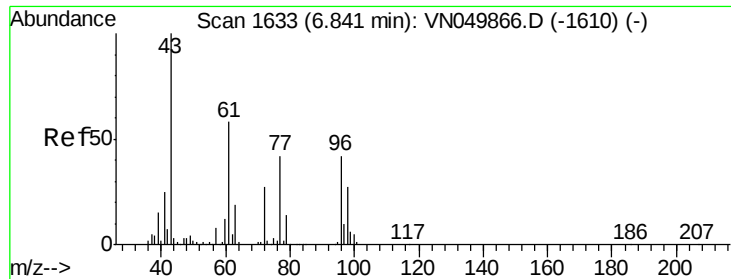
Tot Ion: 43 Resp: 20808
Ion Ratio Lower Upper
43 100
74 23.1 19.8 29.8



#20
Methylene Chloride
Concen: 3.38 ug/l
RT: 4.55 min Scan# 920
Delta R.T. 0.00 min
Lab File: VN049935.D
Acq: 20 Jul 2018 00:12

Tgt Ion: 84 Resp: 25789
Ion Ratio Lower Upper
84 100
49 116.3 95.4 143.2
51 34.0 28.4 42.6
86 65.7 52.6 79.0





#25

2-Butanone

Concen: 1.92 ug/l

RT: 6.85 min Scan# 1637

Delta R.T. 0.01 min

Lab File: VN049935.D

Acq: 20 Jul 2018 00:12

Instrument :

MSVOA_N

ClientSampleId :

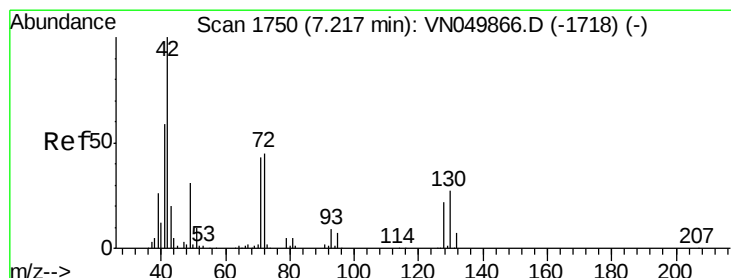
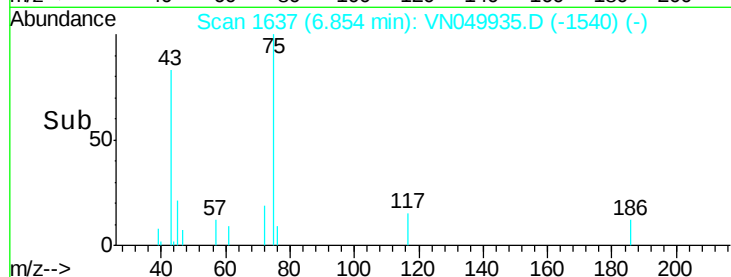
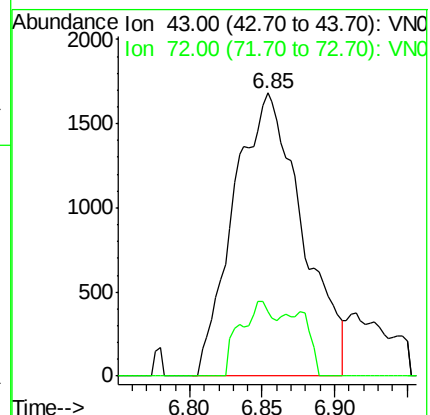
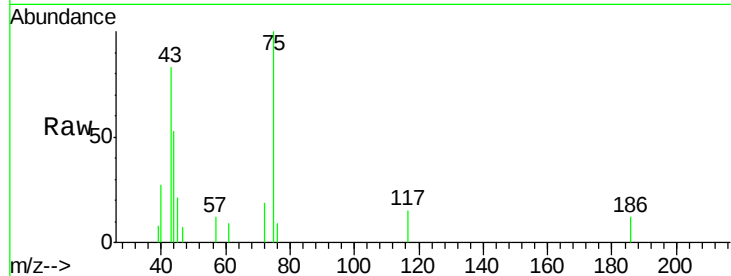
CB-TCLP-12-0718

Tot Ion: 43 Resp: 5524

Ion Ratio Lower Upper

43 100

72 22.7 22.1 33.1



#29

Tetrahydrofuran

Concen: 0.69 ug/l

RT: 7.22 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VN049935.D

Acq: 20 Jul 2018 00:12

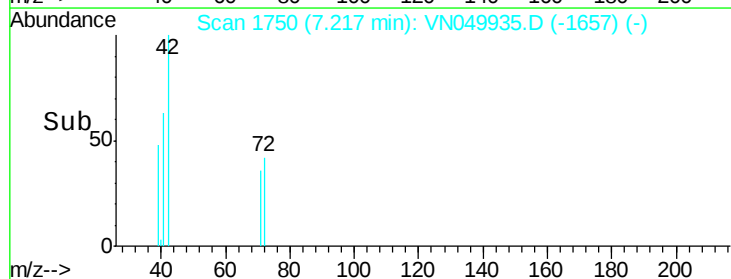
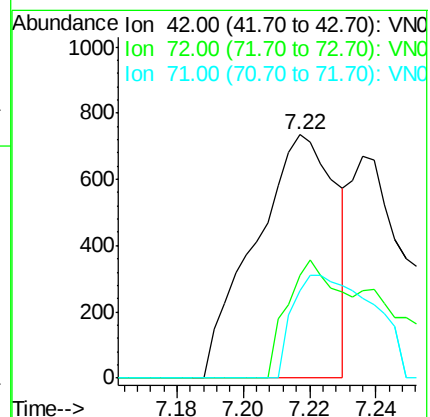
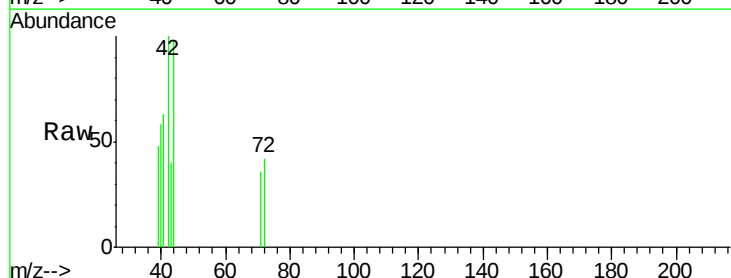
Tgt Ion: 42 Resp: 1249

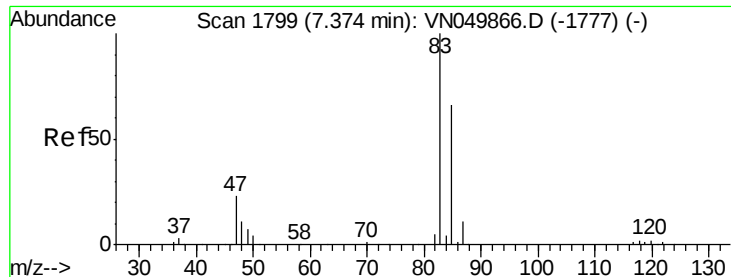
Ion Ratio Lower Upper

42 100

72 33.2 35.6 53.4#

71 42.1 34.0 51.0





#30

Chloroform

Concen: 0.89 ug/l

RT: 7.37 min Scan# 1797

Delta R.T. -0.01 min

Lab File: VN049935.D

Acq: 20 Jul 2018 00:12

Instrument :

MSVOA_N

ClientSampleId :

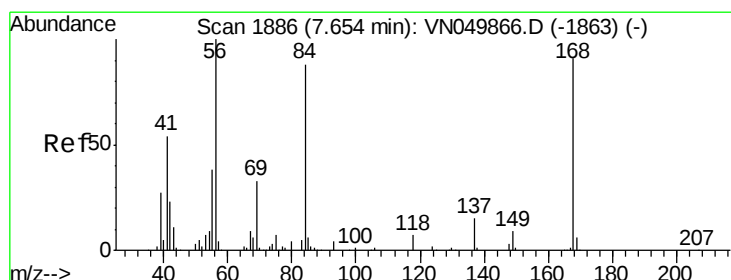
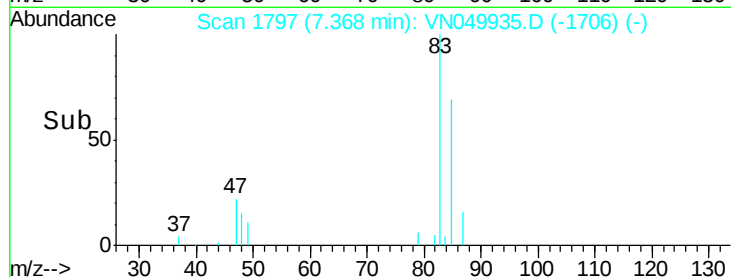
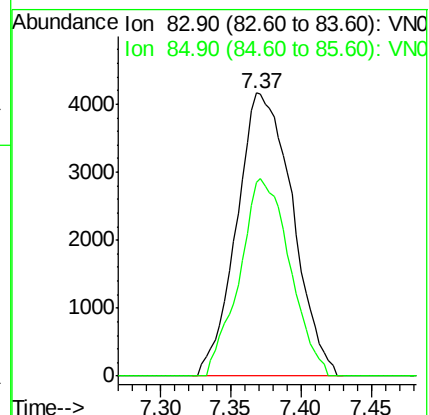
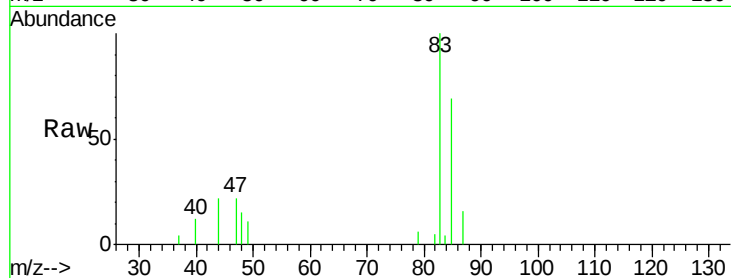
CB-TCLP-12-0718

Tot Ion: 83 Resp: 11511

Ion Ratio Lower Upper

83 100

85 68.6 51.4 77.2



#31

Cyclohexane

Concen: 1.10 ug/l

RT: 7.66 min Scan# 1888

Delta R.T. 0.01 min

Lab File: VN049935.D

Acq: 20 Jul 2018 00:12

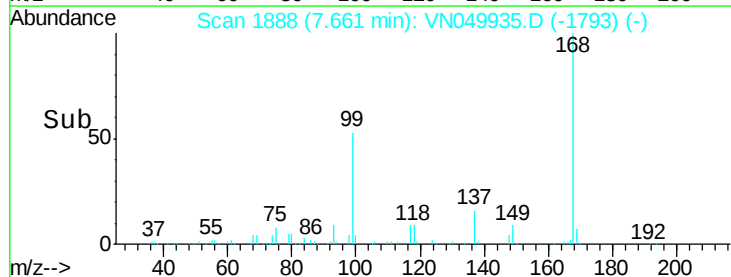
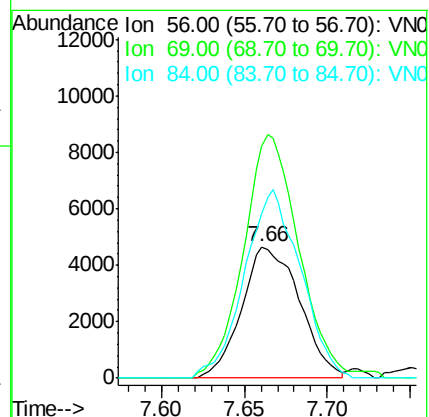
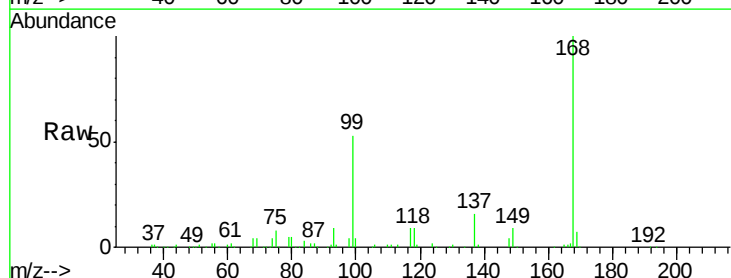
Tgt Ion: 56 Resp: 11311

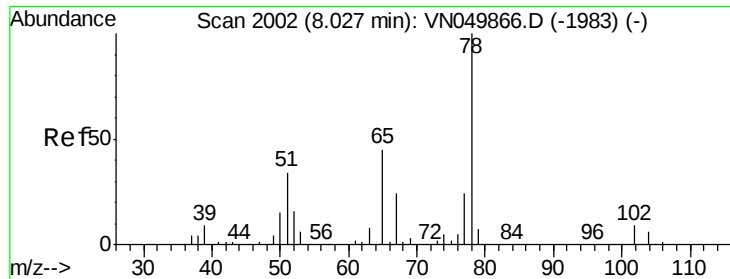
Ion Ratio Lower Upper

56 100

69 177.4 26.6 40.0#

84 124.9 69.0 103.6#





#33

1,2-Dichloroethane-d4

Concen: 51.71 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN049935.D

Acq: 20 Jul 2018 00:12

Instrument :

MSVOA_N

ClientSampleId :

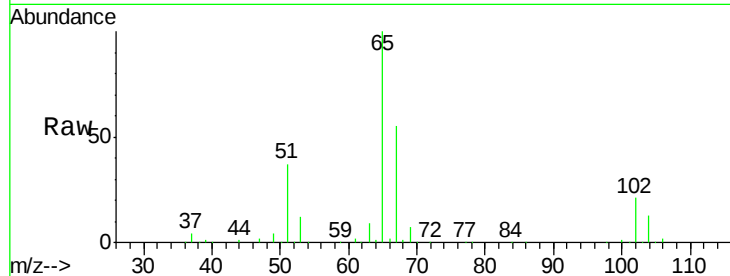
CB-TCLP-12-0718

Tot Ion: 65 Resp: 401130

Ion Ratio Lower Upper

65 100

67 53.6 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VN049935.D (-1909) (-)

Ion 66.90 (66.60 to 67.60): VN049935.D (-1909) (-)

8.03

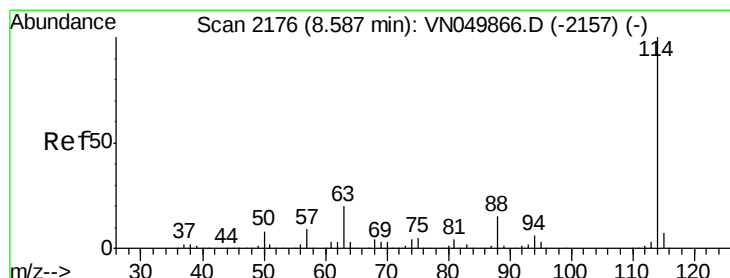
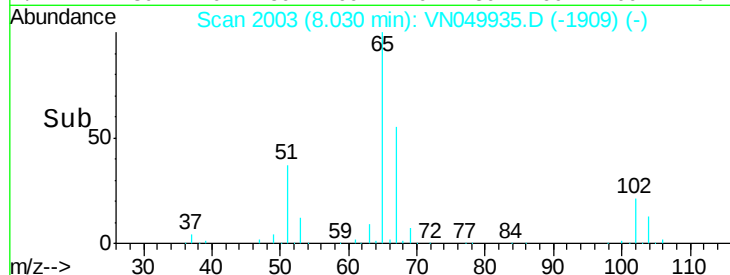
150000

100000

50000

0

Time--> 7.90 8.00 8.10



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. 0.00 min

Lab File: VN049935.D

Acq: 20 Jul 2018 00:12

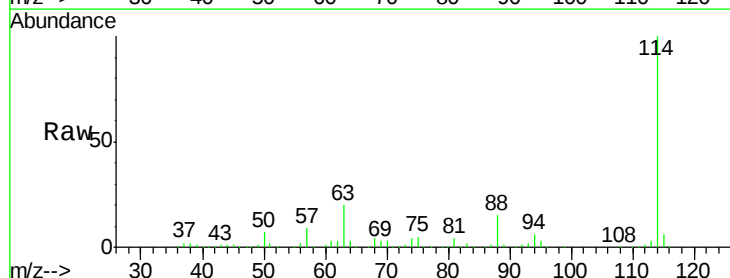
Tgt Ion: 114 Resp: 935474

Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.8

88 15.2 0.0 30.6



Abundance Ion 113.90 (113.60 to 114.60): VN049935.D (-2083) (-)

Ion 63.00 (62.70 to 63.70): VN049935.D (-2083) (-)

Ion 87.90 (87.60 to 88.60): VN049935.D (-2083) (-)

8.59

600000

500000

400000

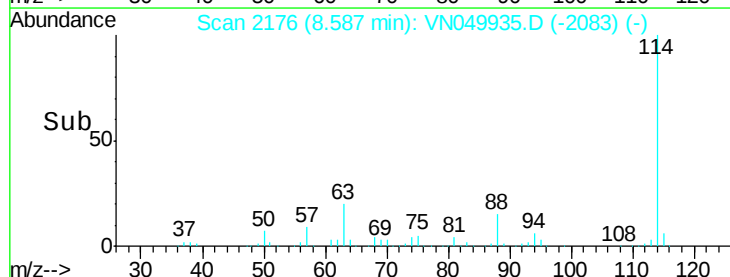
300000

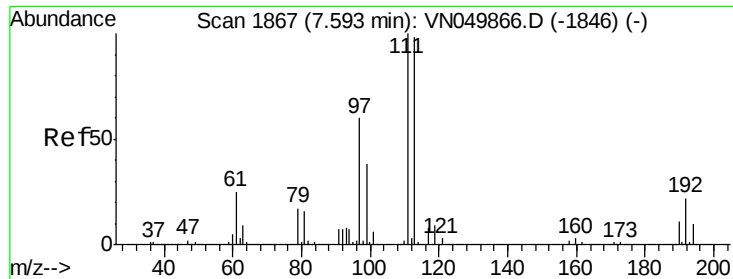
200000

100000

0

Time--> 8.50 8.60 8.70 8.80

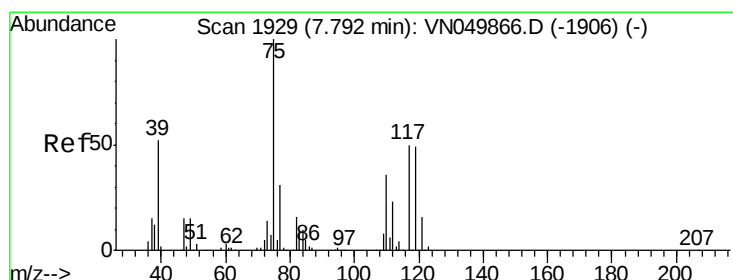
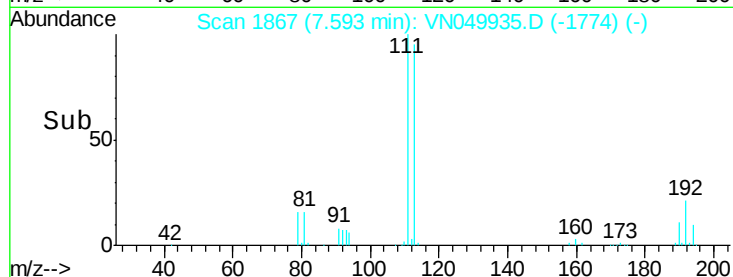
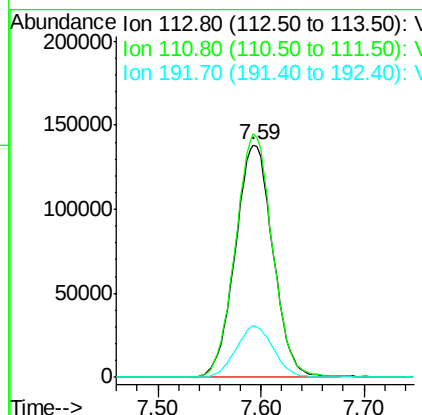
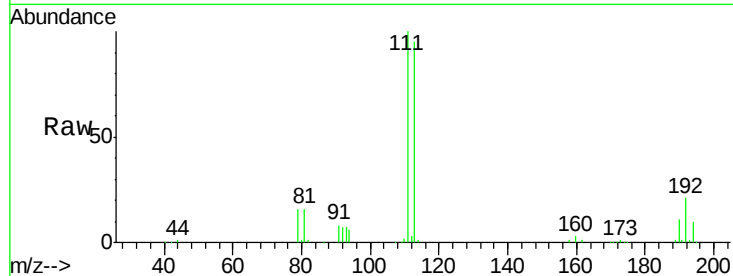




#35
 Dibromofluoromethane
 Concen: 44.67 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049935.D
 Acq: 20 Jul 2018 00:12

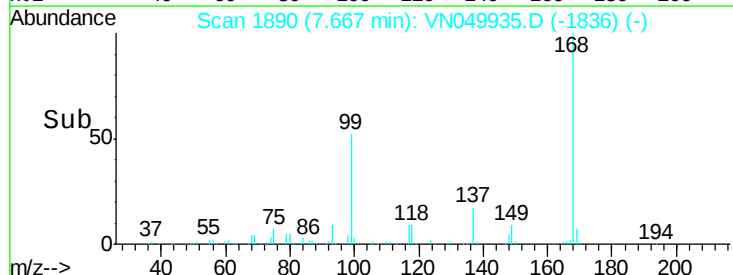
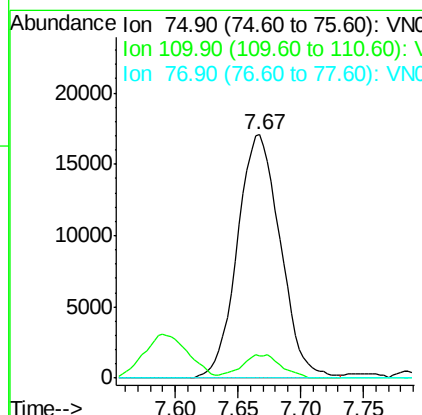
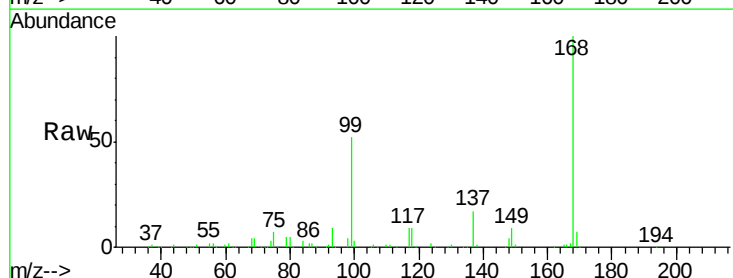
Instrument :
 MSVOA_N
 ClientSampleId :
 CB-TCLP-12-0718

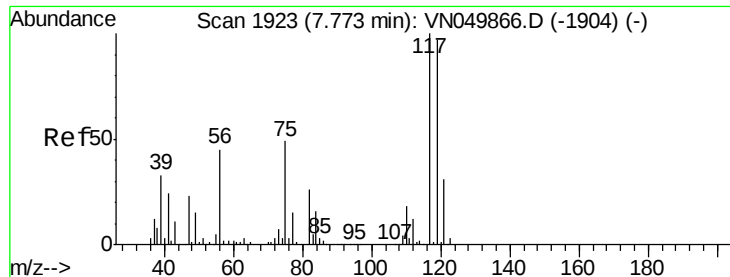
Tot Ion:113 Resp: 350779
 Ion Ratio Lower Upper
 113 100
 111 103.5 81.8 122.8
 192 22.0 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 3.91 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN049935.D
 Acq: 20 Jul 2018 00:12

Tgt Ion: 75 Resp: 40709
 Ion Ratio Lower Upper
 75 100
 110 8.7 18.1 54.4#
 77 0.0 24.9 37.3#

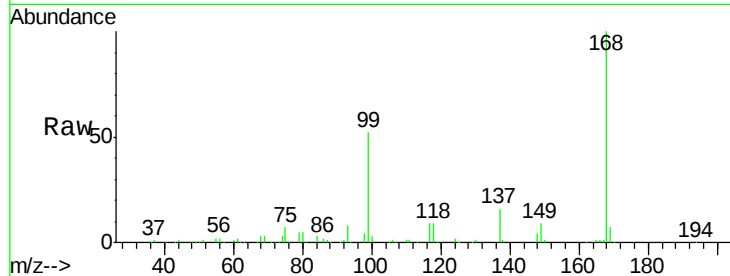




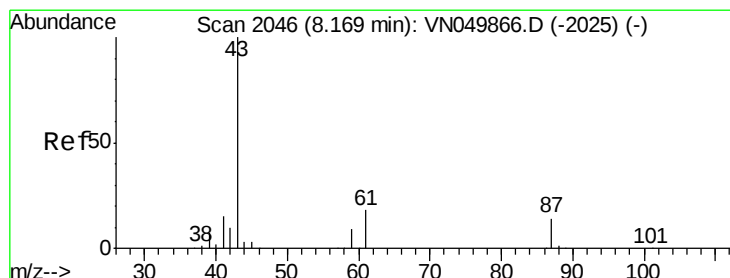
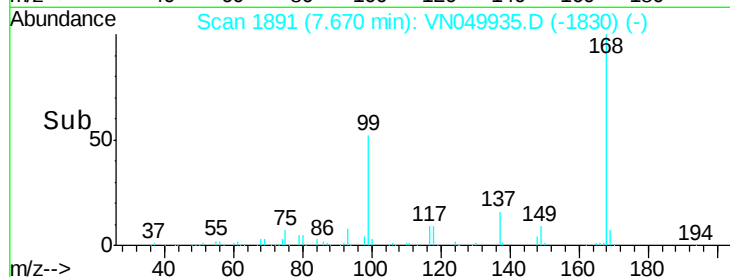
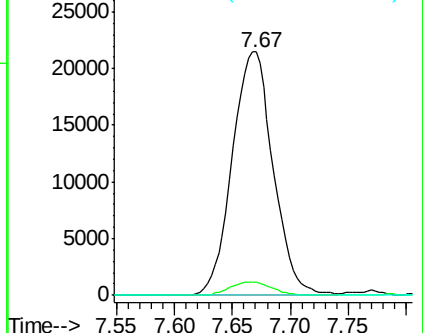
#38
Carbon Tetrachloride
Concen: 4.72 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. -0.10 min
Lab File: VN049935.D
Acq: 20 Jul 2018 00:12

Instrument :
MSVOA_N
ClientSampleId :
CB-TCLP-12-0718

Tot Ion:117 Resp: 52644
Ion Ratio Lower Upper
117 100
119 5.2 77.2 115.8#
121 0.0 25.0 37.6#

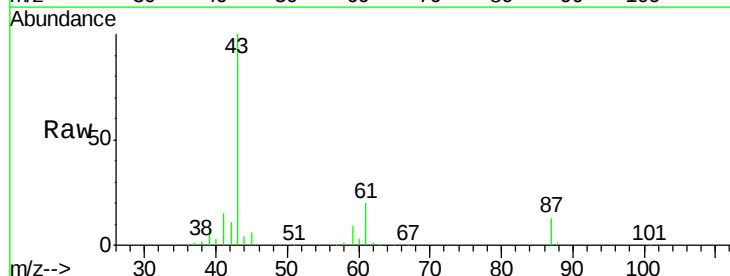


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

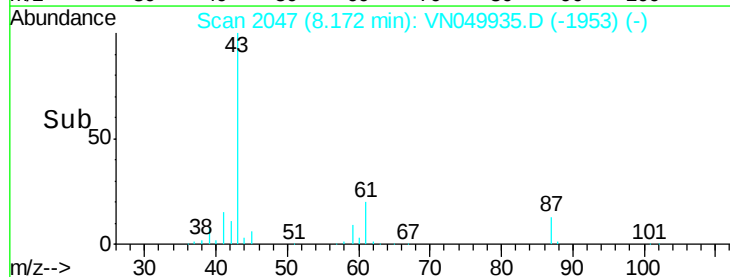
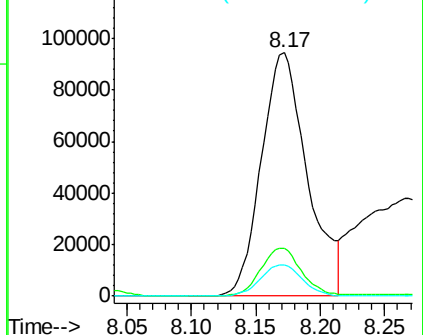


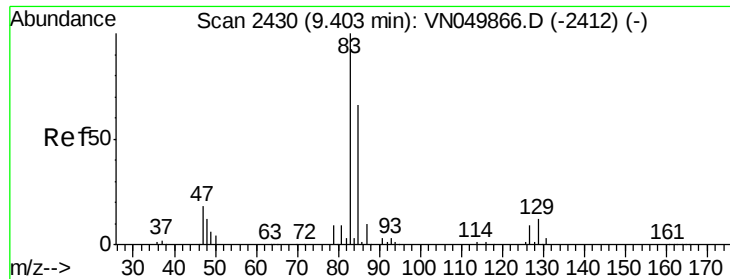
#43
Isopropyl Acetate
Concen: 18.84 ug/l
RT: 8.17 min Scan# 2047
Delta R.T. 0.00 min
Lab File: VN049935.D
Acq: 20 Jul 2018 00:12

Tgt Ion: 43 Resp: 235075
Ion Ratio Lower Upper
43 100
61 17.7 14.9 22.3
87 11.7 10.0 15.0



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





#47

Bromodichloromethane

Concen: 0.42 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN049935.D

Acq: 20 Jul 2018 00:12

Instrument :

MSVOA_N

ClientSampleId :

CB-TCLP-12-0718

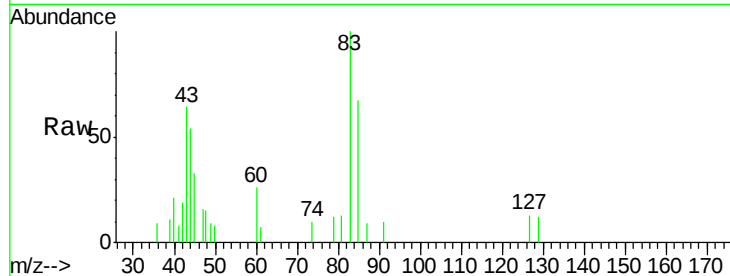
Tot Ion: 83 Resp: 4622

Ion Ratio Lower Upper

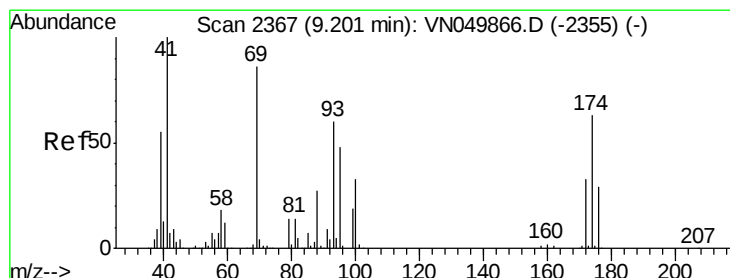
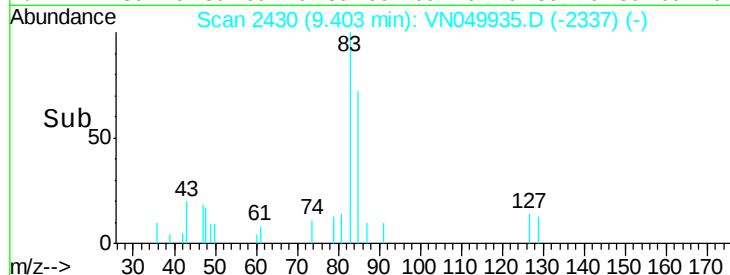
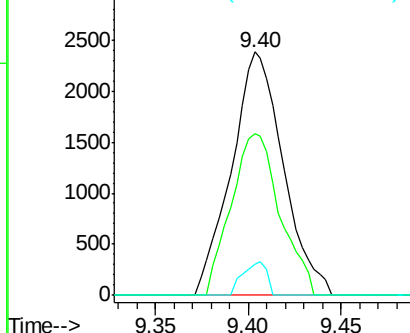
83 100

85 66.6 50.5 75.7

127 13.0 6.8 10.2#



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO



#48

Methyl methacrylate

Concen: 1.34 ug/l

RT: 9.18 min Scan# 2361

Delta R.T. -0.02 min

Lab File: VN049935.D

Acq: 20 Jul 2018 00:12

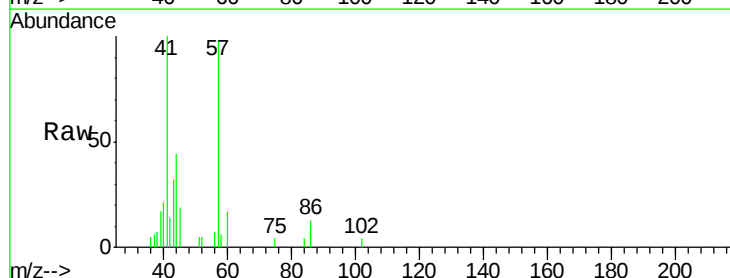
Tgt Ion: 41 Resp: 8363

Ion Ratio Lower Upper

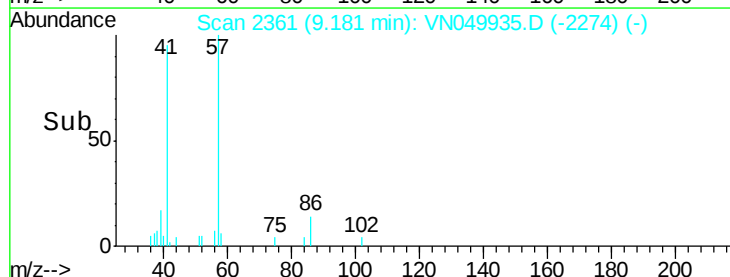
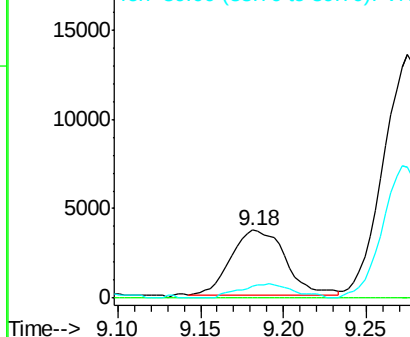
41 100

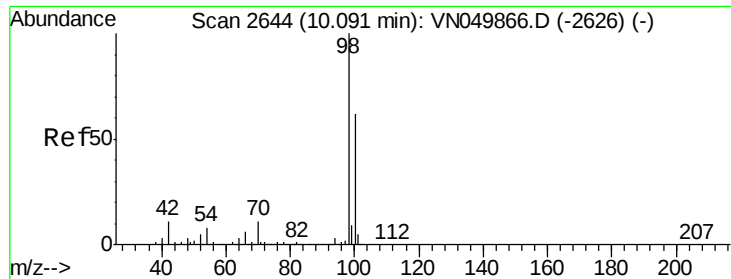
69 0.0 71.5 107.3#

39 20.9 44.7 67.1#



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





#50

Toluene-d8

Concen: 44.11 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN049935.D

Acq: 20 Jul 2018 00:12

Instrument :

MSVOA_N

ClientSampleId :

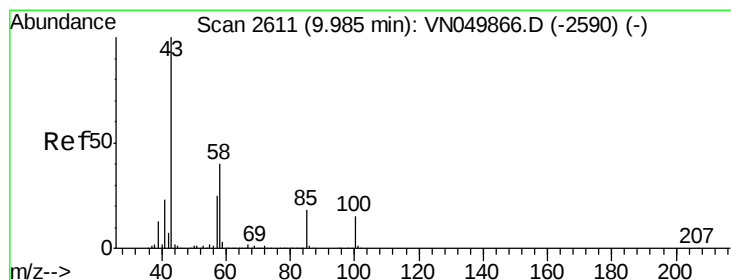
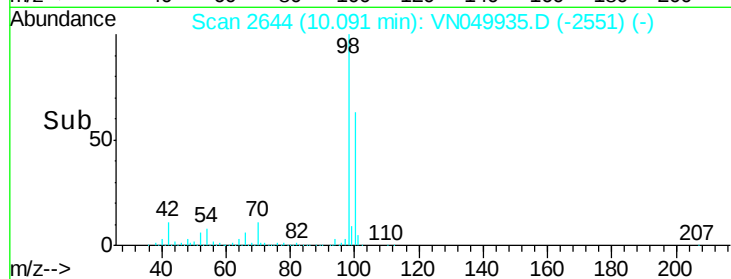
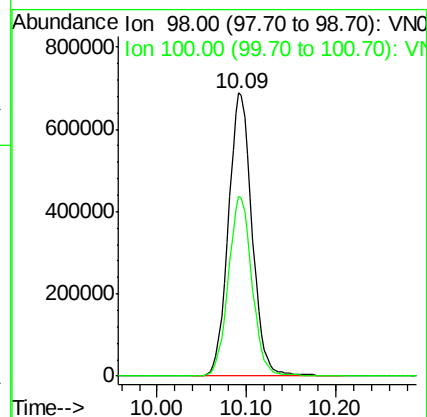
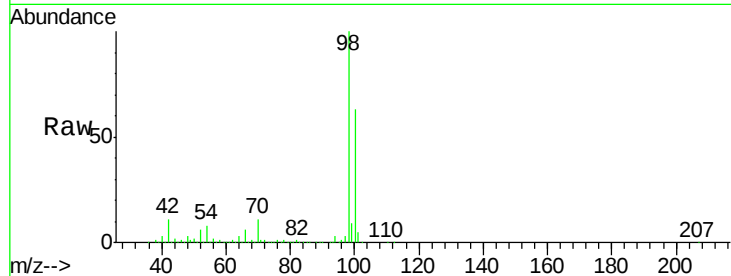
CB-TCLP-12-0718

Tot Ion: 98 Resp: 1262096

Ion Ratio Lower Upper

98 100

100 63.3 51.7 77.5



#51

4-Methyl-2-Pentanone

Concen: 0.53 ug/l

RT: 9.99 min Scan# 2613

Delta R.T. 0.01 min

Lab File: VN049935.D

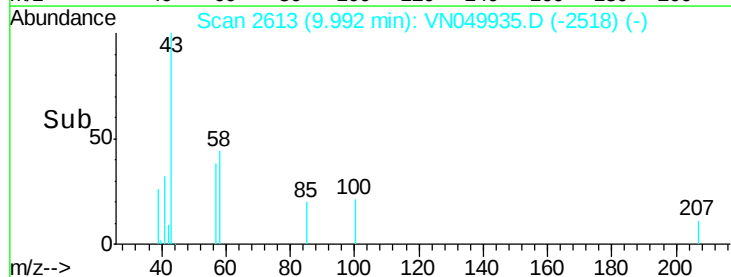
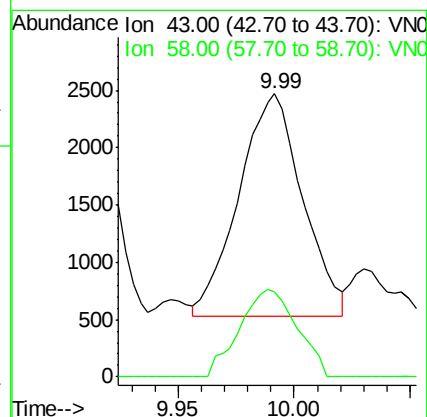
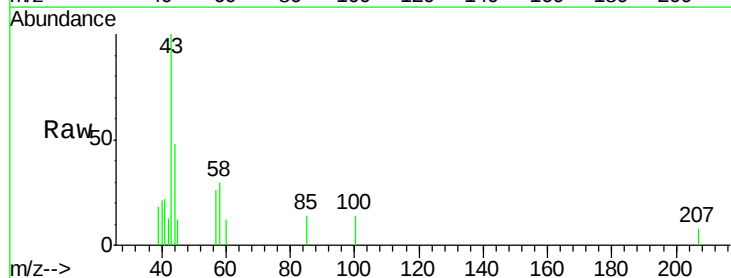
Acq: 20 Jul 2018 00:12

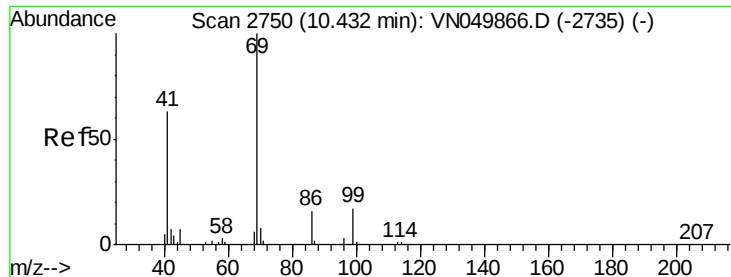
Tgt Ion: 43 Resp: 3719

Ion Ratio Lower Upper

43 100

58 35.3 31.8 47.8





#56

Ethyl methacrylate

Concen: 2.19 ug/l

RT: 10.43 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VN049935.D

Acq: 20 Jul 2018 00:12

Instrument :

MSVOA_N

ClientSampleId :

CB-TCLP-12-0718

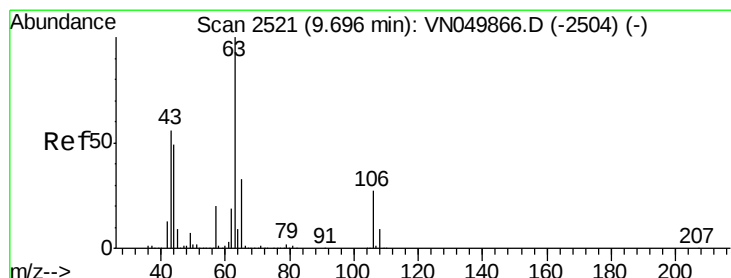
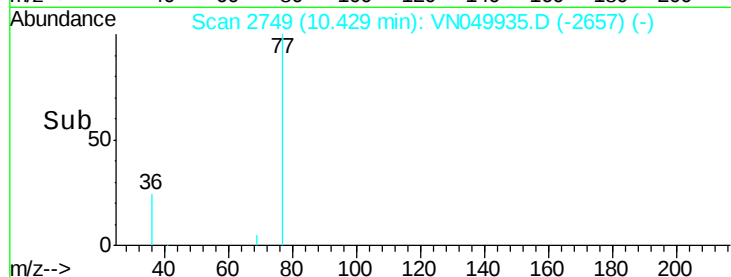
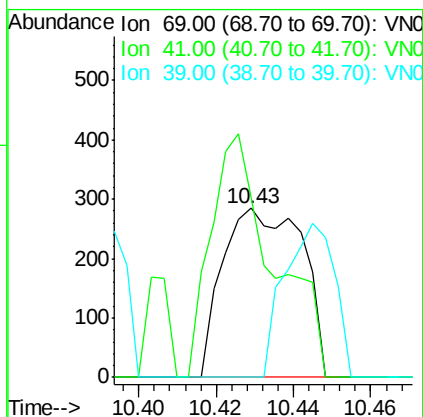
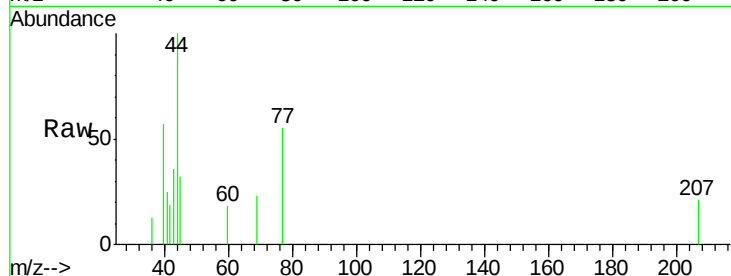
Tot Ion: 69 Resp: 407

Ion Ratio Lower Upper

69 100

41 113.0 51.6 77.4#

39 57.0 25.8 38.8#



#58

2-Chloroethyl Vinyl ether

Concen: 9.81 ug/l

RT: 9.70 min Scan# 2523

Delta R.T. 0.01 min

Lab File: VN049935.D

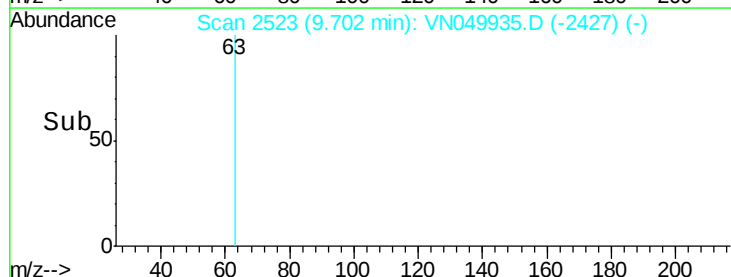
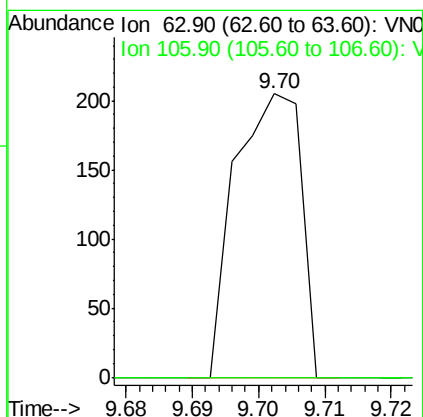
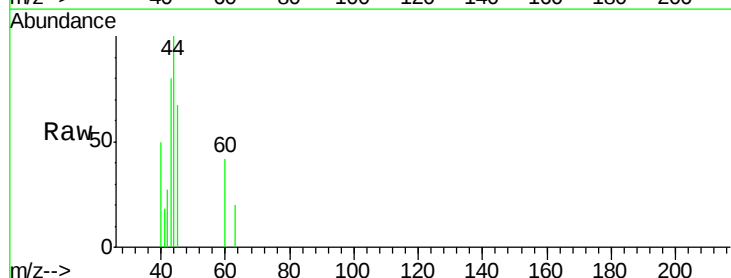
Acq: 20 Jul 2018 00:12

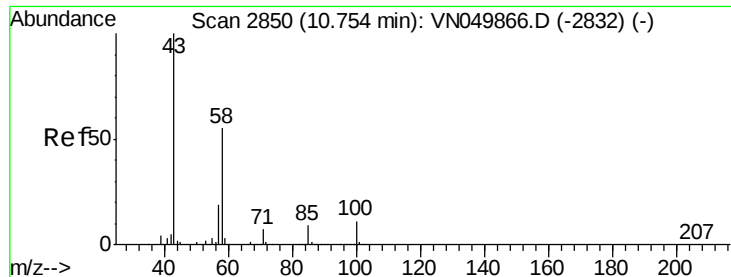
Tgt Ion: 63 Resp: 142

Ion Ratio Lower Upper

63 100

106 0.0 21.8 32.8#





#59

2-Hexanone

Concen: 3.92 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN049935.D

Acq: 20 Jul 2018 00:12

Instrument :

MSVOA_N

ClientSampleId :

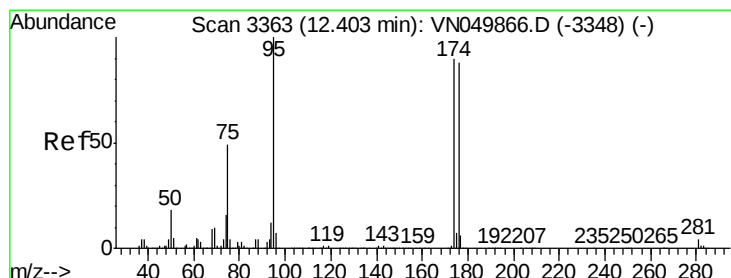
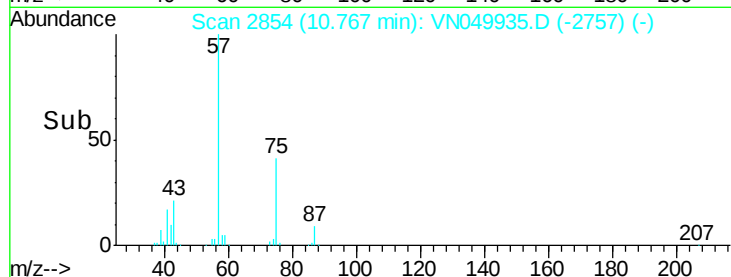
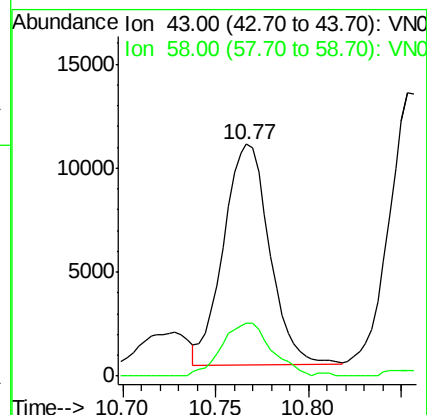
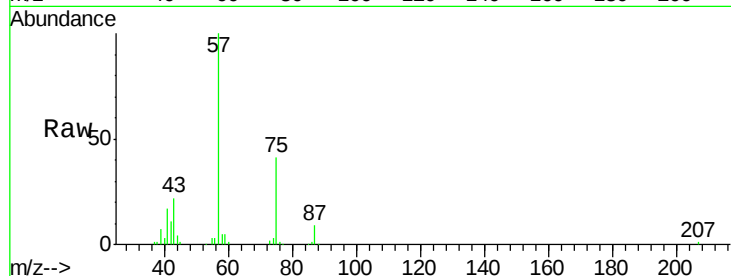
CB-TCLP-12-0718

Tot Ion: 43 Resp: 18358

Ion Ratio Lower Upper

43 100

58 26.0 27.8 83.4#



#62

4-Bromofluorobenzene

Concen: 36.03 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049935.D

Acq: 20 Jul 2018 00:12

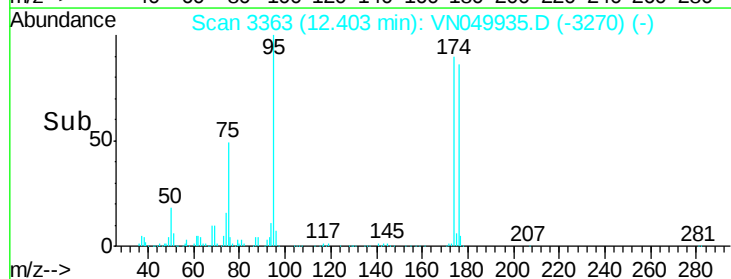
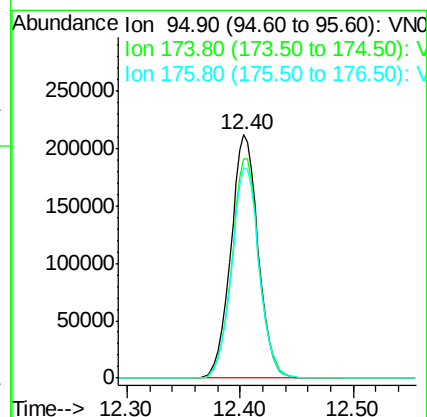
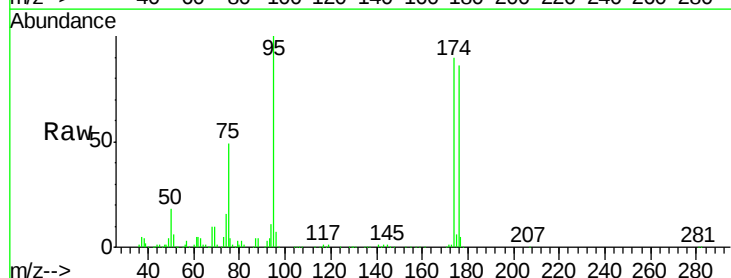
Tgt Ion: 95 Resp: 355074

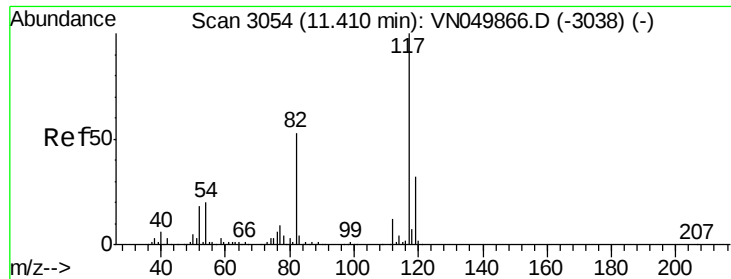
Ion Ratio Lower Upper

95 100

174 90.1 0.0 179.6

176 86.8 0.0 174.0

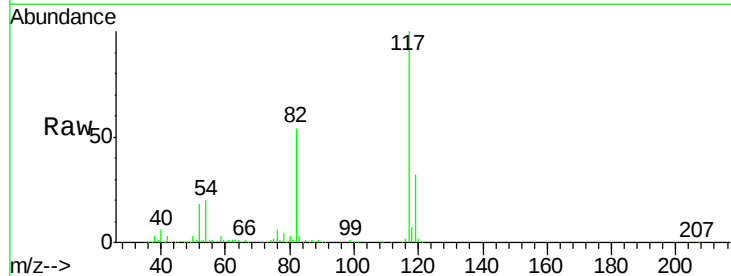




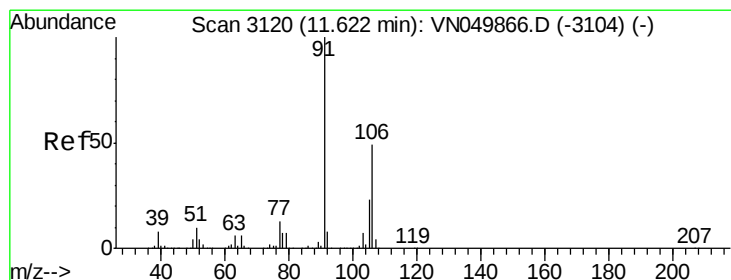
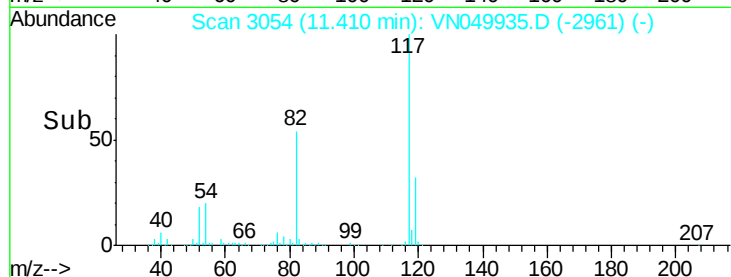
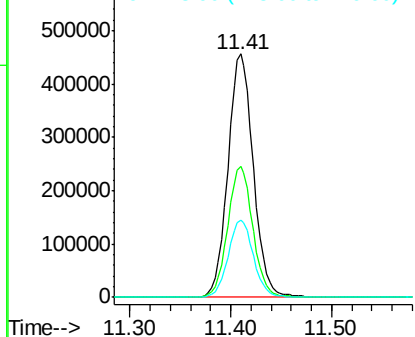
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049935.D
Acq: 20 Jul 2018 00:12

Instrument :
MSVOA_N
ClientSampleId :
CB-TCLP-12-0718

Tot Ion:117 Resp: 799908
Ion Ratio Lower Upper
117 100
82 53.6 41.9 62.9
119 31.7 25.4 38.2

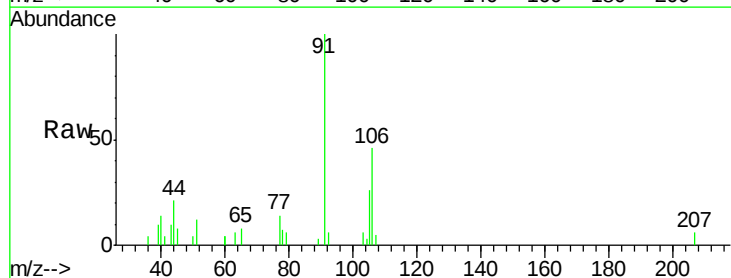


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

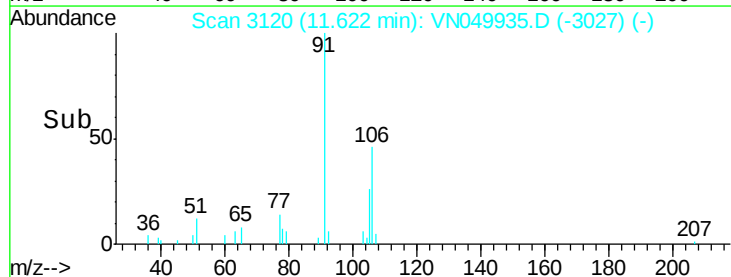
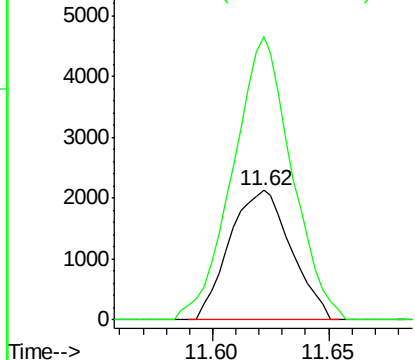


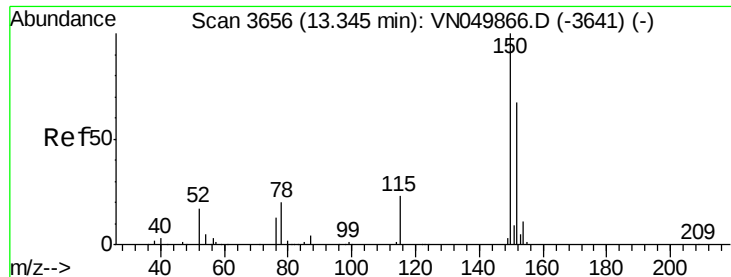
#68
m/p-Xylenes
Concen: 0.32 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN049935.D
Acq: 20 Jul 2018 00:12

Tgt Ion:106 Resp: 3926
Ion Ratio Lower Upper
106 100
91 208.9 163.4 245.2



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN049935.D

Acq: 20 Jul 2018 00:12

Instrument :

MSVOA_N

ClientSampleId :

CB-TCLP-12-0718

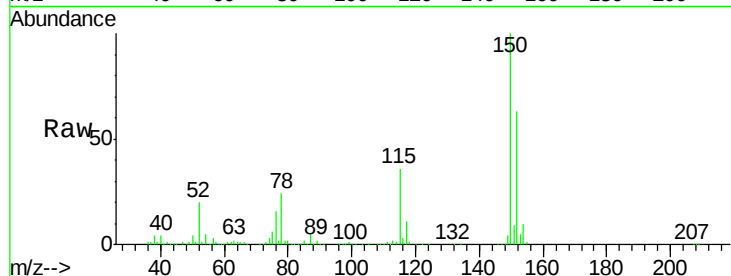
Tot Ion:152 Resp: 304614

Ion Ratio Lower Upper

152 100

115 56.7 28.1 84.2

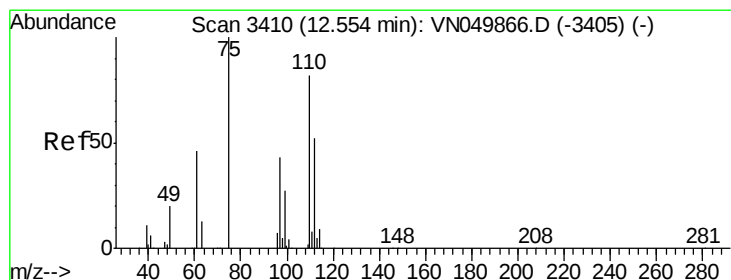
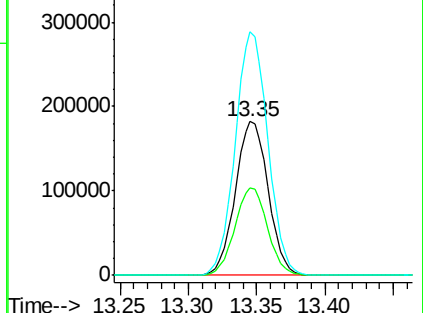
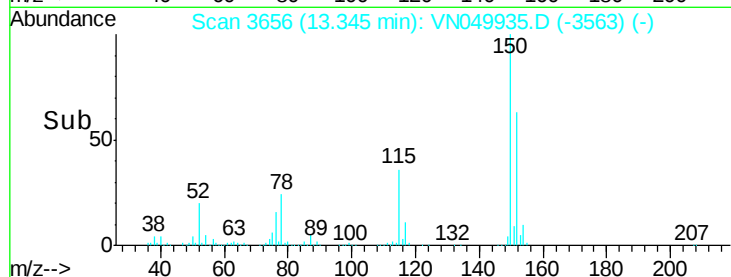
150 157.1 0.0 347.6



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



#76

1,2,3-Trichloropropane

Concen: 30.21 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049935.D

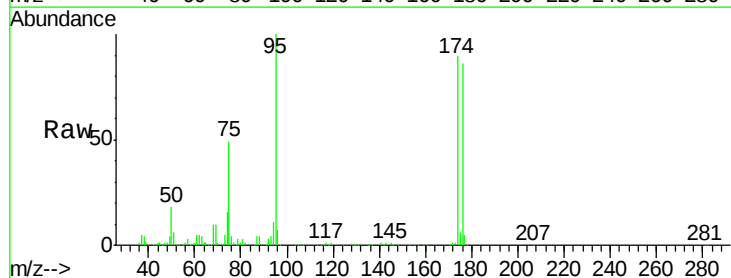
Acq: 20 Jul 2018 00:12

Tgt Ion: 75 Resp: 172596

Ion Ratio Lower Upper

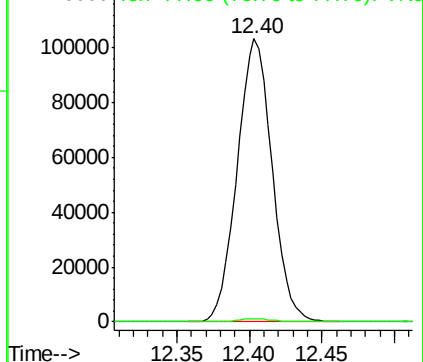
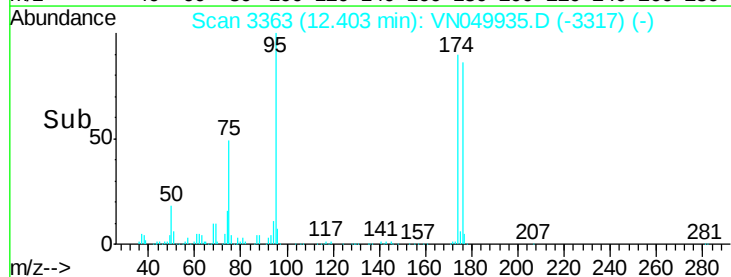
75 100

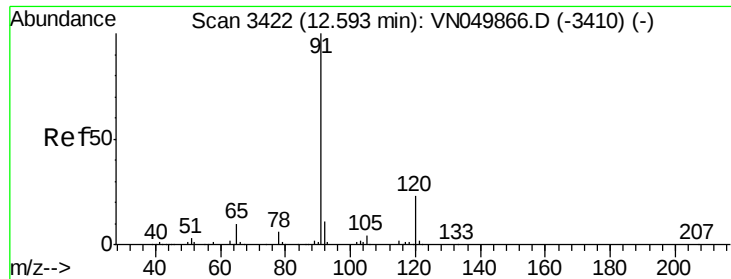
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

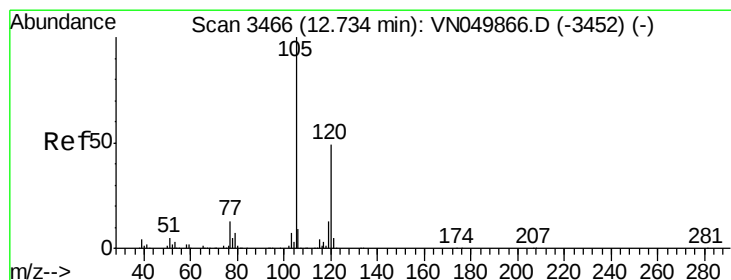
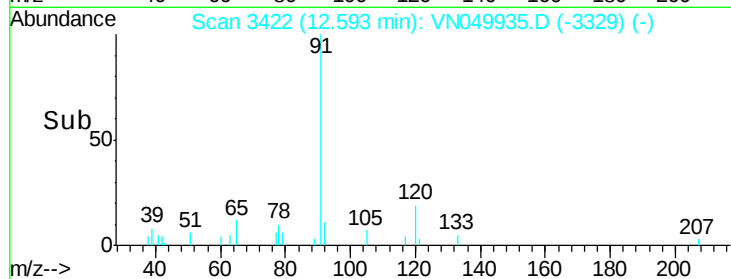
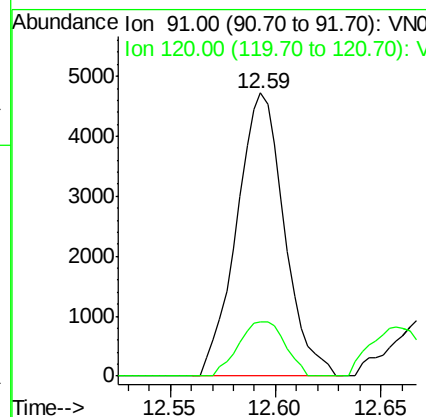
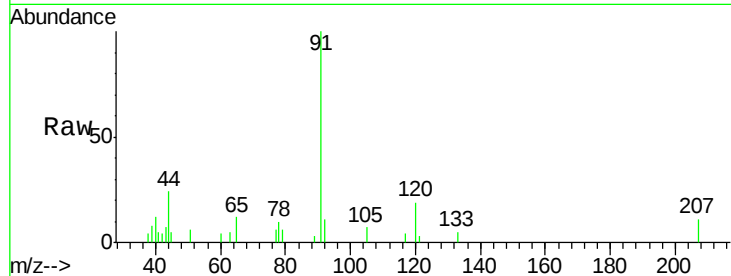




#78
n-propylbenzene
Concen: 0.28 ug/l
RT: 12.59 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN049935.D
Acq: 20 Jul 2018 00:12

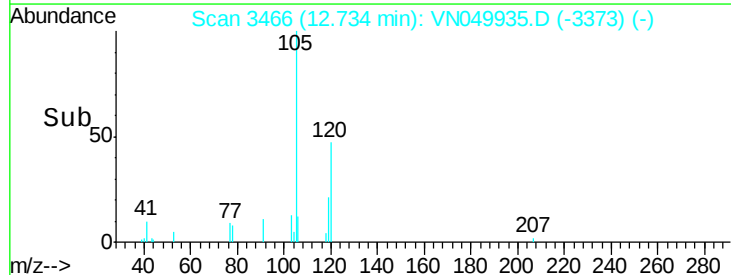
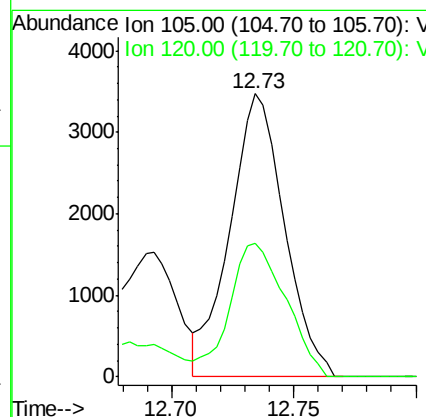
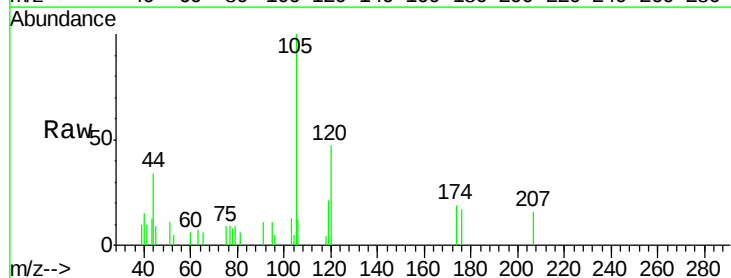
Instrument :
MSVOA_N
ClientSampled :
CB-TCLP-12-0718

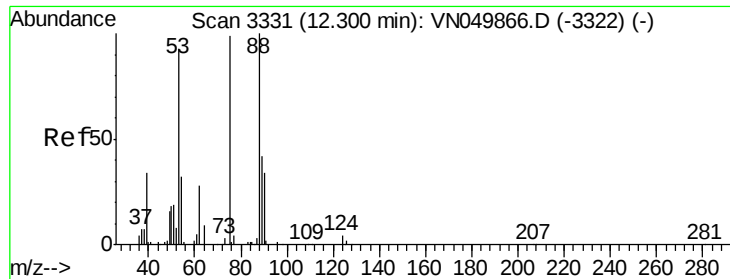
Tot Ion: 91 Resp: 7399
Ion Ratio Lower Upper
91 100
120 18.9 11.5 34.4



#80
1,3,5-Trimethylbenzene
Concen: 0.29 ug/l
RT: 12.73 min Scan# 3466
Delta R.T. 0.00 min
Lab File: VN049935.D
Acq: 20 Jul 2018 00:12

Tgt Ion: 105 Resp: 5384
Ion Ratio Lower Upper
105 100
120 48.6 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 94.45 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049935.D

Acq: 20 Jul 2018 00:12

Instrument :

MSVOA_N

ClientSampleId :

CB-TCLP-12-0718

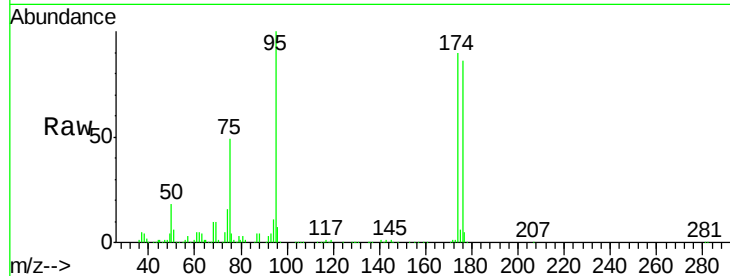
Tot Ion: 75 Resp: 172596

Ion Ratio Lower Upper

75 100

53 0.2 73.9 110.9#

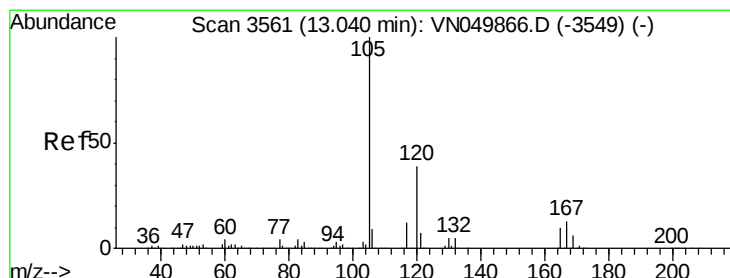
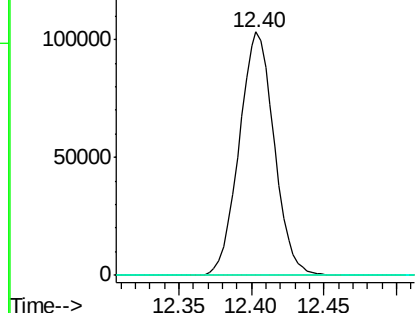
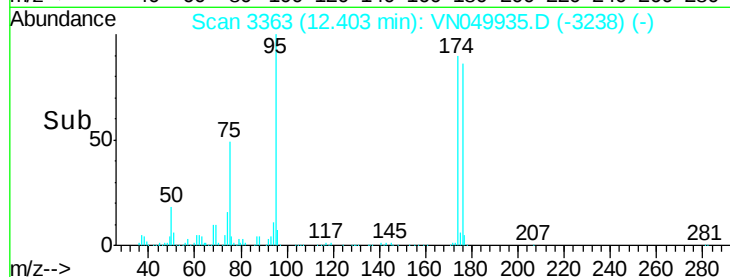
89 0.0 35.9 53.9#



Abundance Ion 74.90 (74.60 to 75.60): VN049935.D (-3238) (-)

Ion 53.00 (52.70 to 53.70): VN049935.D (-3238) (-)

Ion 88.90 (88.60 to 89.60): VN049935.D (-3238) (-)



#84

1,2,4-Trimethylbenzene

Concen: 0.53 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN049935.D

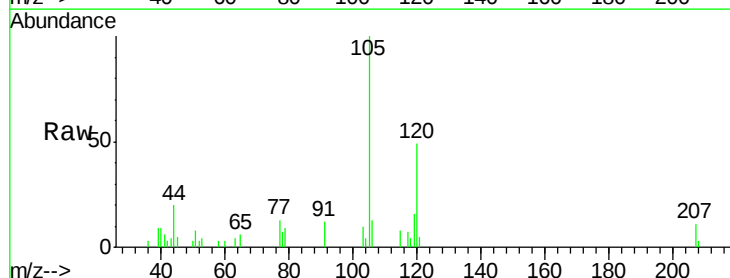
Acq: 20 Jul 2018 00:12

Tgt Ion: 105 Resp: 10032

Ion Ratio Lower Upper

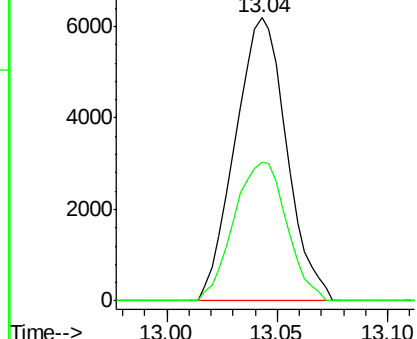
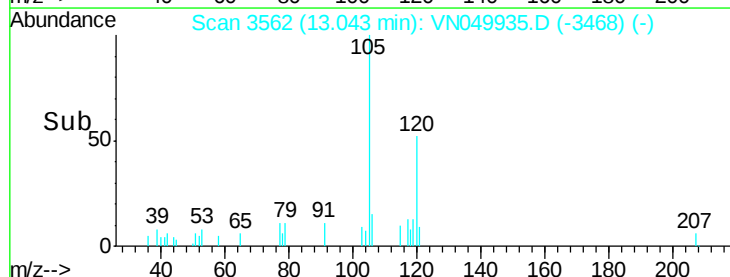
105 100

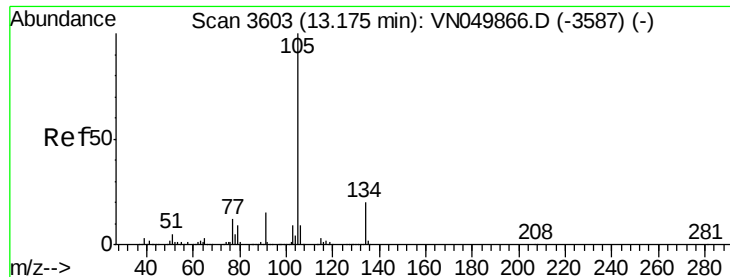
120 50.2 22.7 68.1



Abundance Ion 105.00 (104.70 to 105.70): VN049935.D (-3468) (-)

Ion 120.00 (119.70 to 120.70): VN049935.D (-3468) (-)





#85

sec-Butylbenzene

Concen: 0.21 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. -0.00 min

Lab File: VN049935.D

Acq: 20 Jul 2018 00:12

Instrument :

MSVOA_N

ClientSampleId :

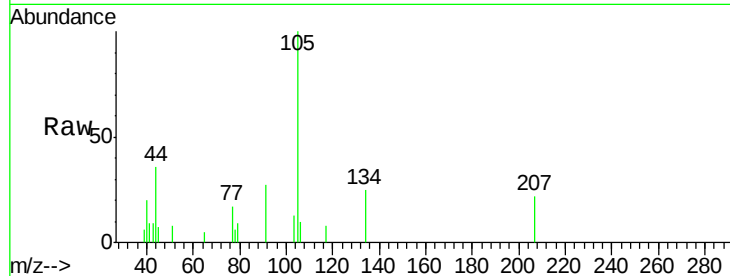
CB-TCLP-12-0718

Tot Ion:105 Resp: 4568

Ion Ratio Lower Upper

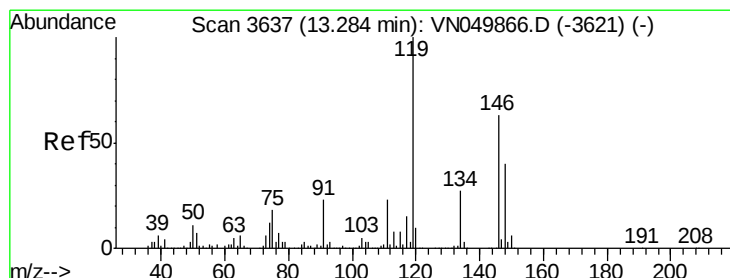
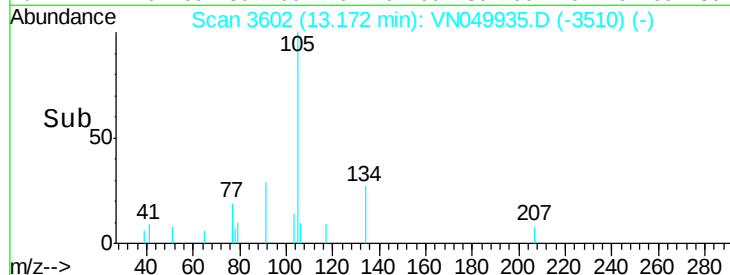
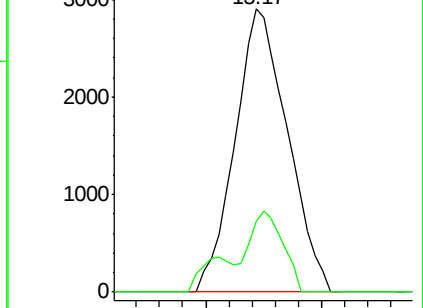
105 100

134 18.7 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#87

1,3-Dichlorobenzene

Concen: 0.21 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. 0.00 min

Lab File: VN049935.D

Acq: 20 Jul 2018 00:12

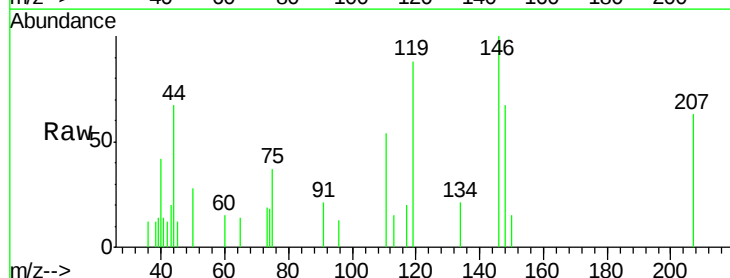
Tgt Ion:146 Resp: 2316

Ion Ratio Lower Upper

146 100

111 42.8 19.0 57.0

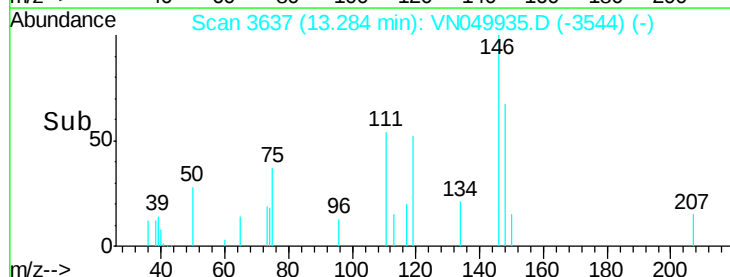
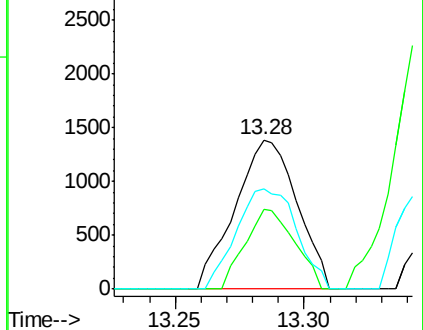
148 65.5 32.5 97.5

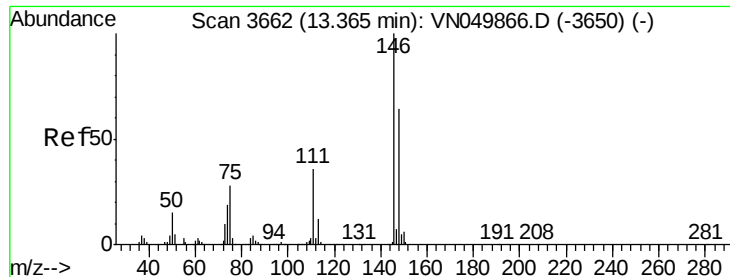


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

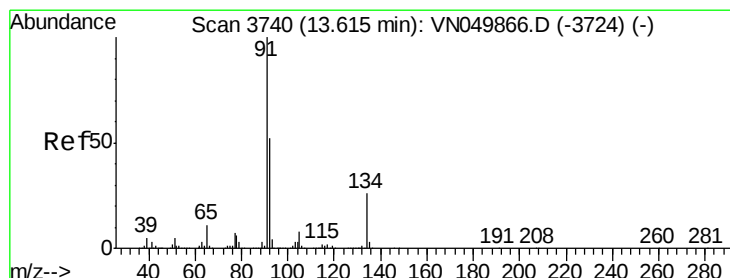
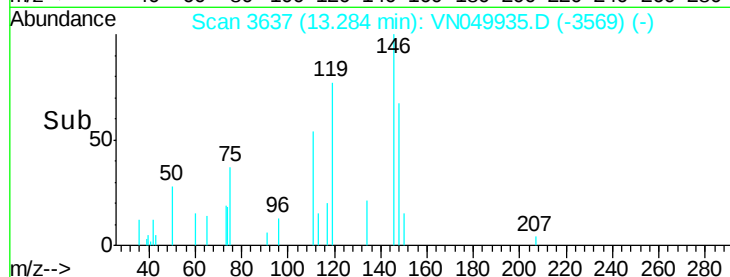
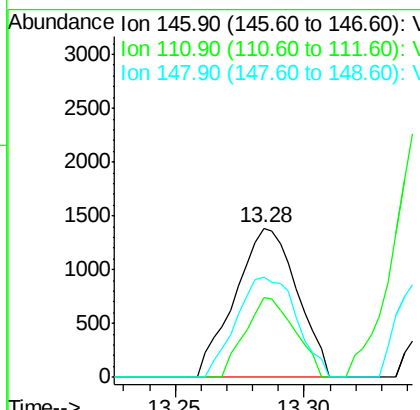
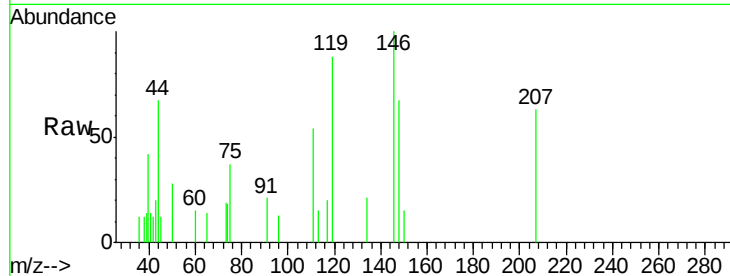




#88
 1,4-Dichlorobenzene
 Concen: 0.21 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.08 min
 Lab File: VN049935.D
 Acq: 20 Jul 2018 00:12

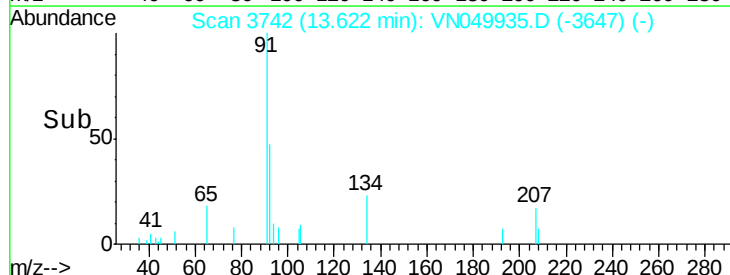
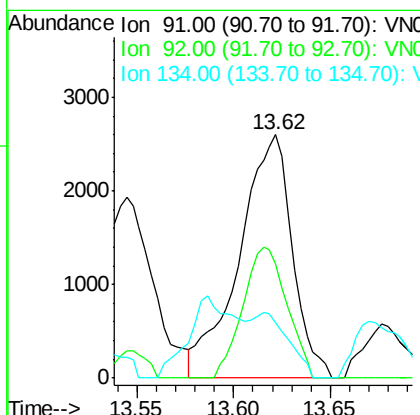
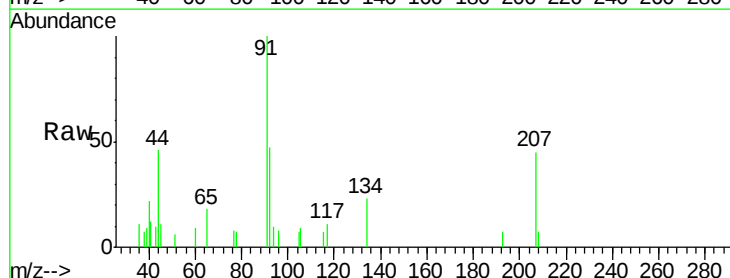
Instrument :
 MSVOA_N
 ClientSampleId :
 CB-TCLP-12-0718

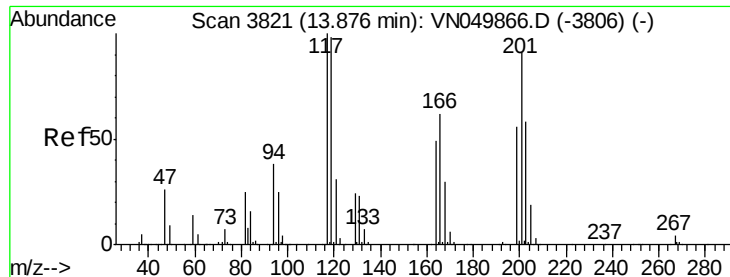
Tot Ion:146 Resp: 2316
 Ion Ratio Lower Upper
 146 100
 111 42.8 18.9 56.5
 148 65.5 32.1 96.3



#89
 n-Butylbenzene
 Concen: 0.33 ug/l
 RT: 13.62 min Scan# 3742
 Delta R.T. 0.01 min
 Lab File: VN049935.D
 Acq: 20 Jul 2018 00:12

Tgt Ion: 91 Resp: 4949
 Ion Ratio Lower Upper
 91 100
 92 44.6 25.8 77.3
 134 0.0 13.0 38.9#





#90

Hexachloroethane

Concen: 0.67 ug/l

RT: 13.89 min Scan# 3825

Delta R.T. 0.01 min

Lab File: VN049935.D

Acq: 20 Jul 2018 00:12

Instrument :

MSVOA_N

ClientSampleId :

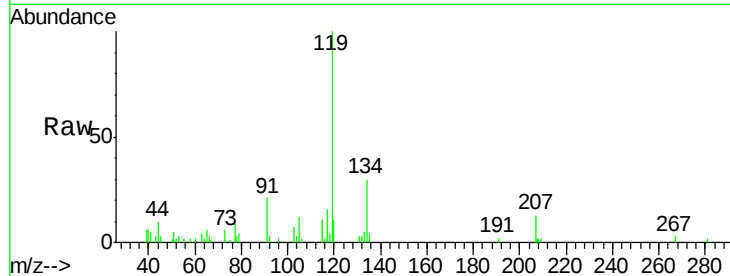
CB-TCLP-12-0718

Tot Ion:117 Resp: 2778

Ion Ratio Lower Upper

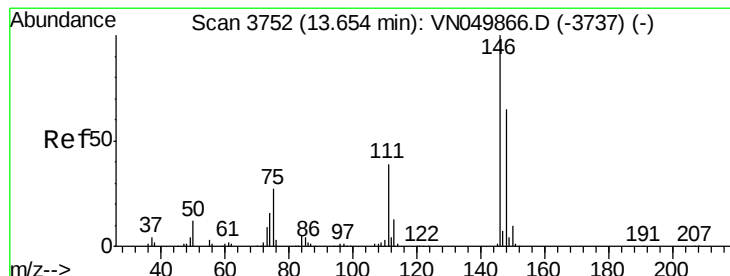
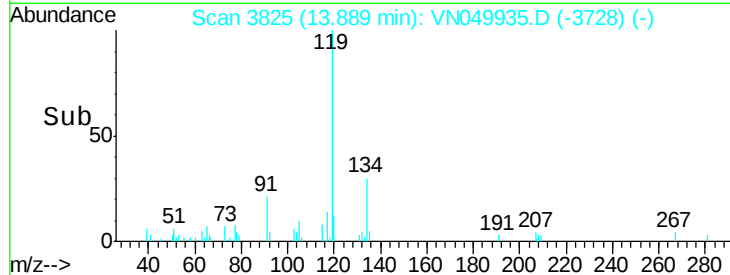
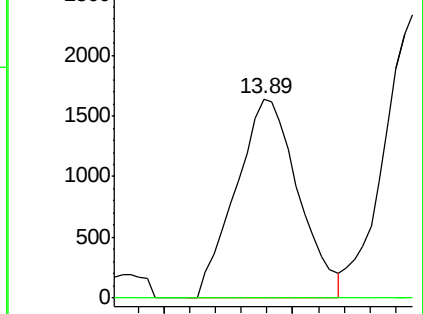
117 100

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: 0.22 ug/l

RT: 13.66 min Scan# 3753

Delta R.T. 0.00 min

Lab File: VN049935.D

Acq: 20 Jul 2018 00:12

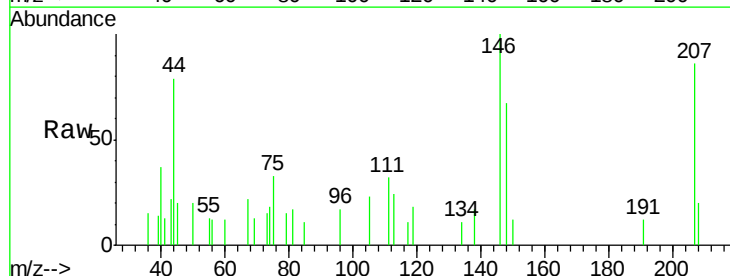
Tgt Ion:146 Resp: 2411

Ion Ratio Lower Upper

146 100

111 36.6 19.7 59.1

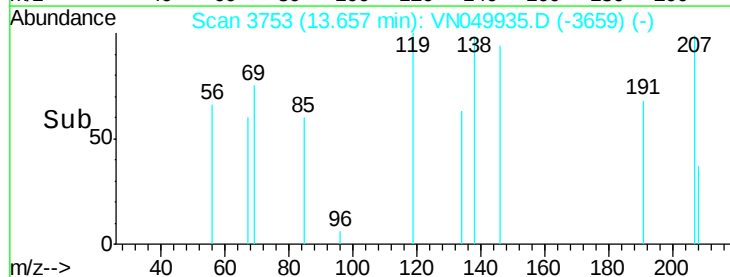
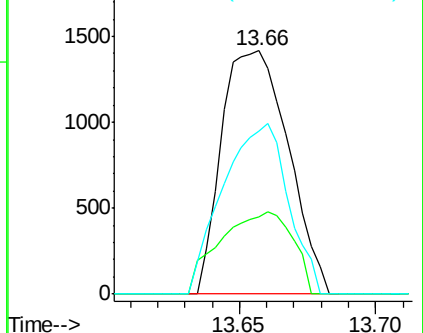
148 68.4 32.0 96.2

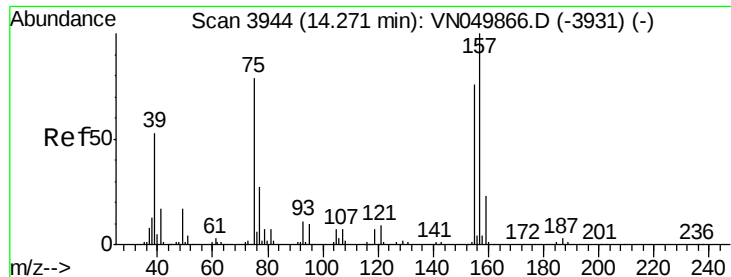


Abundance Ion 145.90 (145.60 to 146.60): V

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: 0.27 ug/l

RT: 14.26 min Scan# 3942

Delta R.T. -0.01 min

Lab File: VN049935.D

Acq: 20 Jul 2018 00:12

Instrument :

MSVOA_N

ClientSampleId :

CB-TCLP-12-0718

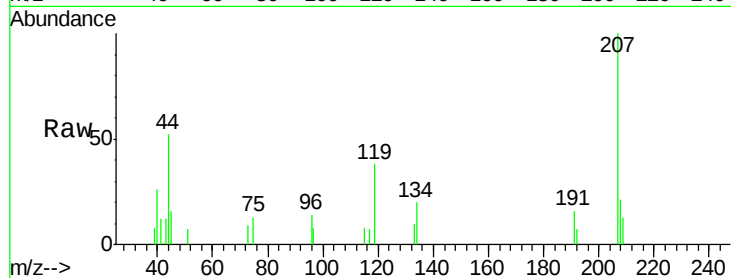
Tot Ion: 75 Resp: 294

Ion Ratio Lower Upper

75 100

155 0.0 45.7 137.1#

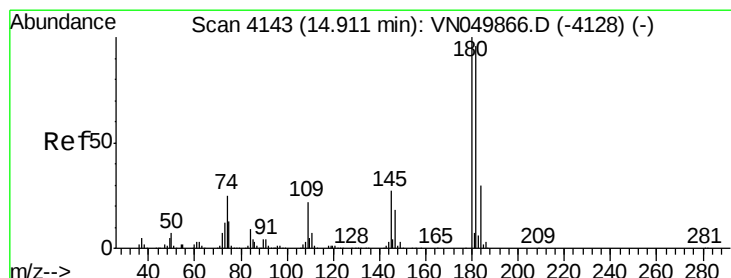
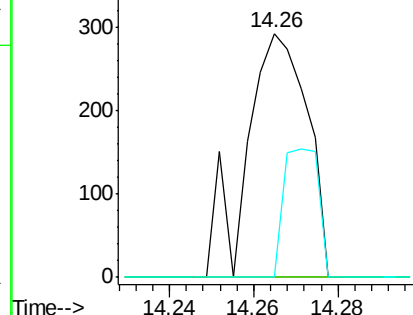
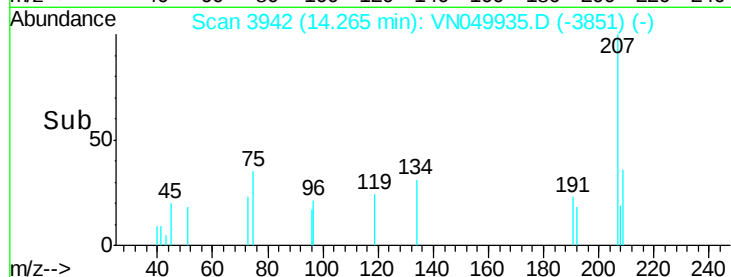
157 29.9 56.9 170.7#



Abundance Ion 74.90 (74.60 to 75.60): VN049935.D (-3851) (-)

Ion 154.80 (154.50 to 155.50): VN049935.D (-3851) (-)

Ion 156.80 (156.50 to 157.50): VN049935.D (-3851) (-)



#93

1,2,4-Trichlorobenzene

Concen: 4.23 ug/l

RT: 14.91 min Scan# 4144

Delta R.T. 0.00 min

Lab File: VN049935.D

Acq: 20 Jul 2018 00:12

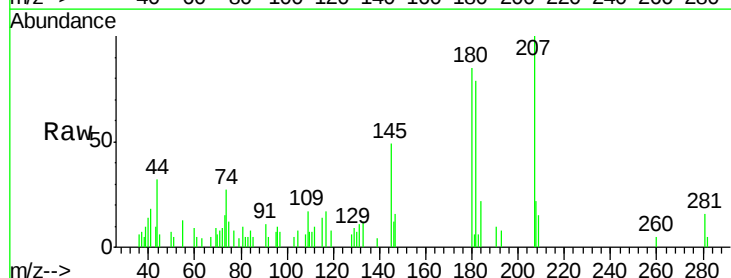
Tgt Ion:180 Resp: 4913

Ion Ratio Lower Upper

180 100

182 92.8 47.3 141.9

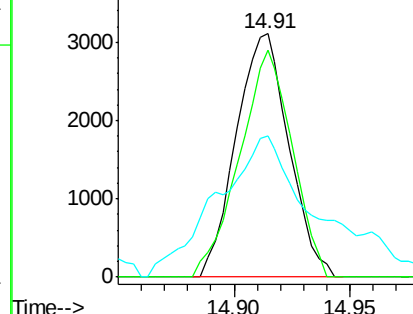
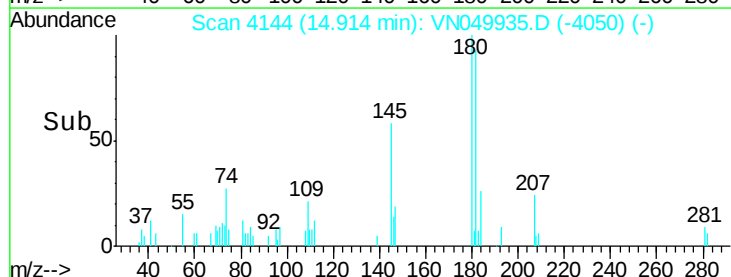
145 111.7 14.4 43.0#

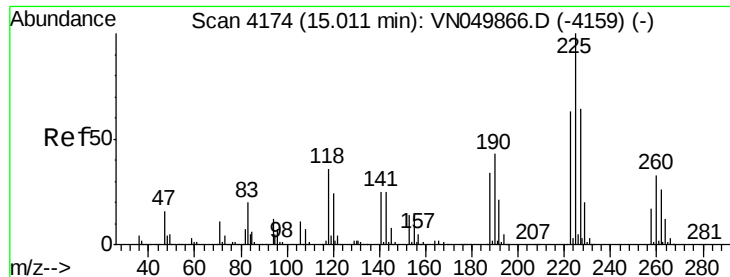


Abundance Ion 179.80 (179.50 to 180.50): VN049935.D (-4050) (-)

Ion 181.80 (181.50 to 182.50): VN049935.D (-4050) (-)

Ion 144.80 (144.50 to 145.50): VN049935.D (-4050) (-)





#94

Hexachlorobutadiene

Concen: 0.63 ug/l

RT: 15.01 min Scan# 4174

Delta R.T. 0.00 min

Lab File: VN049935.D

Acq: 20 Jul 2018 00:12

Instrument :

MSVOA_N

ClientSampleId :

CB-TCLP-12-0718

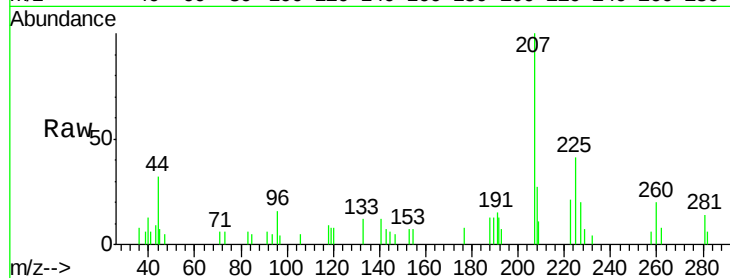
Tot Ion:225 Resp: 2263

Ion Ratio Lower Upper

225 100

223 45.5 30.9 92.7

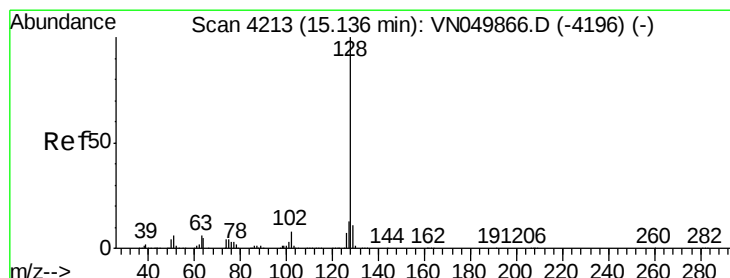
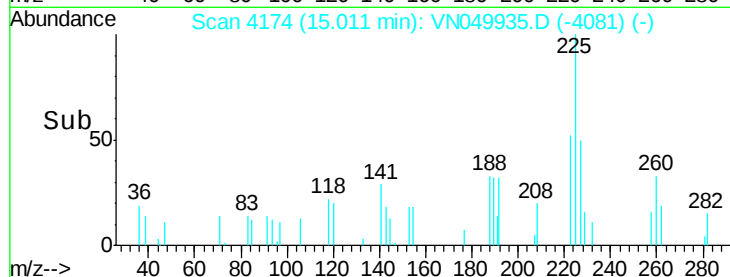
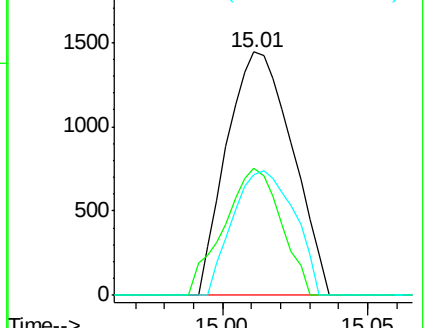
227 48.1 31.8 95.4



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: 12.12 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049935.D

Acq: 20 Jul 2018 00:12

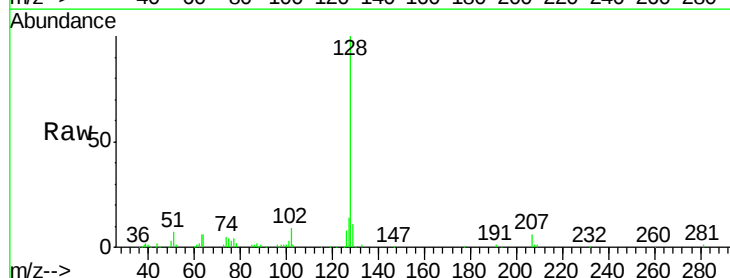
Tgt Ion:128 Resp: 120901

Ion Ratio Lower Upper

128 100

127 13.3 10.4 15.6

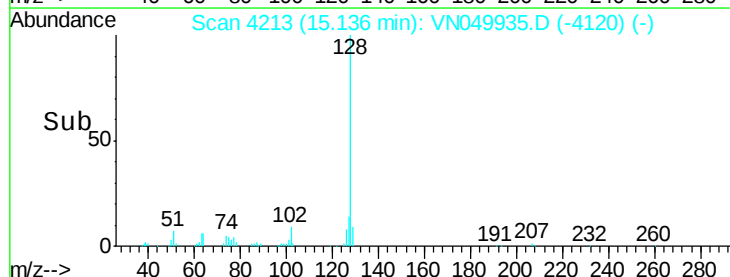
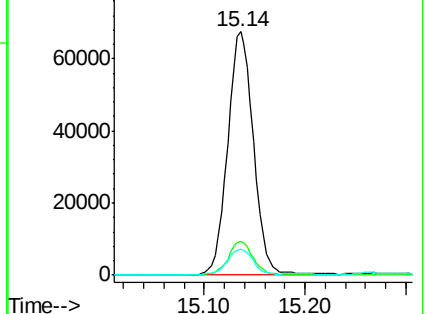
129 10.3 8.6 13.0

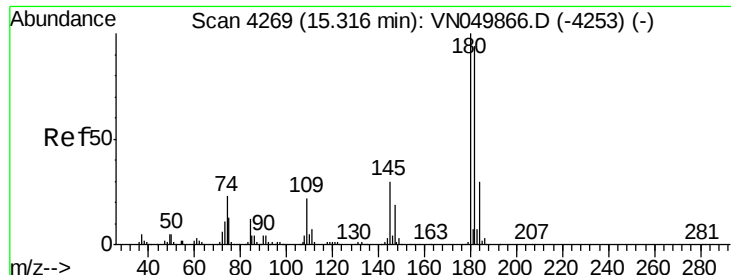


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 0.93 ug/l
 RT: 15.32 min Scan# 4270
 Delta R.T. 0.00 min
 Lab File: VN049935.D
 Acq: 20 Jul 2018 00:12

Instrument :
 MSVOA_N
 ClientSampleId :
 CB-TCLP-12-0718

Tot Ion	Ratio	Lower	Upper
180	100		
182	101.3	47.4	142.2
145	72.4	15.2	45.6

