

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062518\
 Data File : VN049519.D
 Acq On : 25 Jun 2018 18:55
 Operator : MD\SY
 Sample : PB110537ZHE#04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB110537ZHE#04

Quant Time: Jun 26 01:42:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:02:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1154601	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1750647	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1463035	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	342263	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	762907	49.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.64%	
35) Dibromofluoromethane	7.59	113	676815	47.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.58%	
50) Toluene-d8	10.09	98	2454486	45.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.02%	
62) 4-Bromofluorobenzene	12.41	95	558025	31.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	62.58%	

Target Compounds

						Qvalue
3) Chloromethane	2.06	50	3623	0.21	ug/l	92
5) Bromomethane	2.57	94	6684	0.70	ug/l	99
10) Methyl Iodide	3.95	142	4142	0.28	ug/l #	69
13) Acrolein	3.61	56	789	0.84	ug/l #	70
16) Acetone	3.83	43	58175	15.65	ug/l	95
17) Carbon Disulfide	4.06	76	12195	0.29	ug/l #	86
18) Methyl Acetate	4.34	43	81676	7.20	ug/l	97
20) Methylene Chloride	4.55	84	32473	2.09	ug/l #	84
25) 2-Butanone	6.85	43	8244	1.65	ug/l	99
29) Tetrahydrofuran	7.21	42	2390	0.74	ug/l #	48
31) Cyclohexane	7.66	56	20911	0.75	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	80232	4.00	ug/l #	50
38) Carbon Tetrachloride	7.67	117	103055	4.96	ug/l #	17
43) Isopropyl Acetate	8.24	43	66850	3.21	ug/l #	64
49) 1,4-Dioxane	9.20	88	204	1.51	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	7410	0.68	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.71	63	282	14.37	ug/l #	51
59) 2-Hexanone	10.75	43	5511	0.78	ug/l	66
65) Chlorobenzene	11.44	112	15049	0.40	ug/l	94
74) N-amyl acetate	12.08	43	2616	0.36	ug/l #	71
75) 1,1,2,2-Tetrachloroethane	12.50	83	405	Below	Cal #	74
76) 1,2,3-Trichloropropane	12.41	75	269742	46.19	ug/l #	100
77) Bromobenzene	12.53	156	1863	0.23	ug/l	86
81) trans-1,4-Dichloro-2-buten	12.41	75	269742	145.98	ug/l #	9
82) 4-Chlorotoluene	12.78	91	5339	0.26	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	4407	0.34	ug/l #	81
88) 1,4-Dichlorobenzene	13.37	146	5812	0.45	ug/l #	47
89) n-Butylbenzene	13.62	91	5046	0.28	ug/l	87
90) Hexachloroethane	13.88	117	739	Below	Cal #	53
91) 1,2-Dichlorobenzene	13.66	146	4855	0.38	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	1167	1.12	ug/l #	34
93) 1,2,4-Trichlorobenzene	14.92	180	7439	5.89	ug/l	100
94) Hexachlorobutadiene	15.01	225	2283	Below	Cal	81
95) Naphthalene	15.14	128	15168	3.67	ug/l #	95

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QLast Update : Sat Jun 16 01:02:01 2018
Response via : Initial Calibration

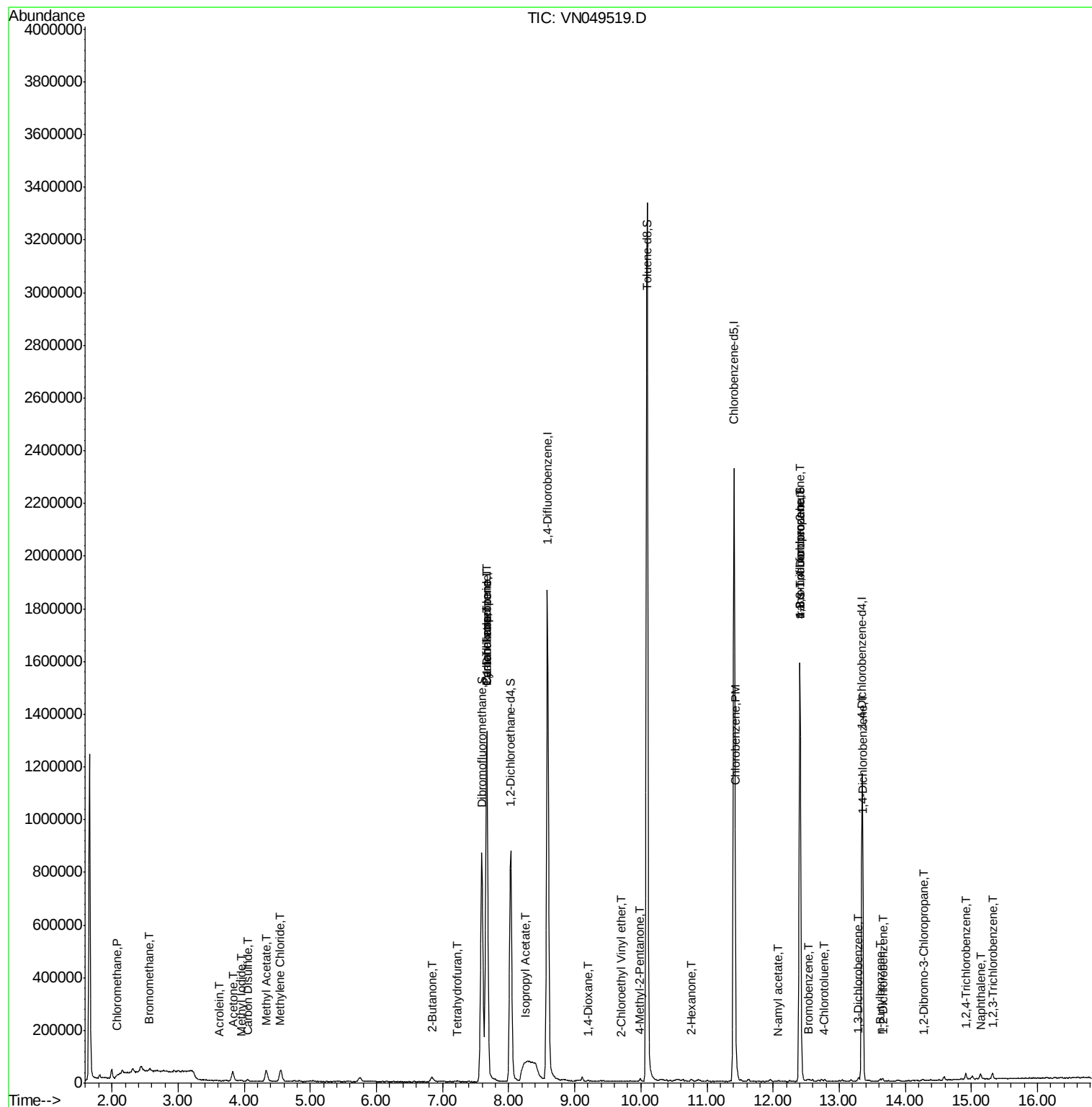
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	15.32	180	8144	4.78	ug/l	98

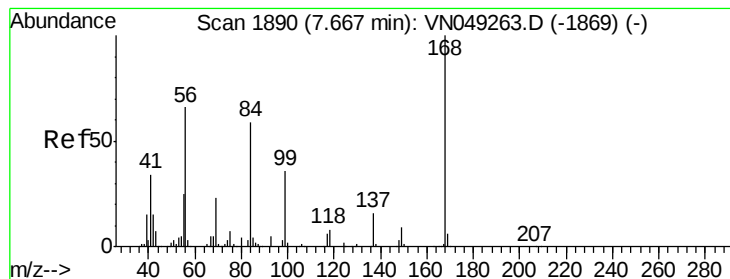
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN062518\
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN049519.D

Acq: 25 Jun 2018 18:55

Instrument :

MSVOA_N

ClientSampleId :

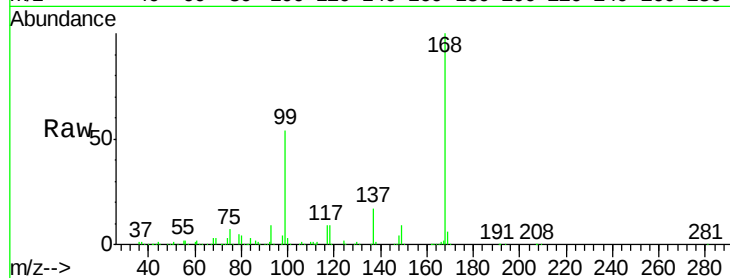
PB110537ZHE#04

Tot Ion:168 Resp: 1154601

Ion Ratio Lower Upper

168 100

99 53.7 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

500000

400000

300000

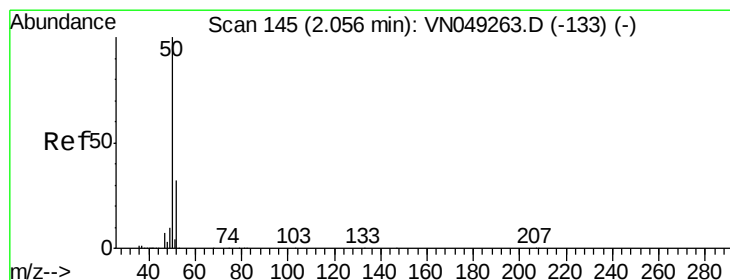
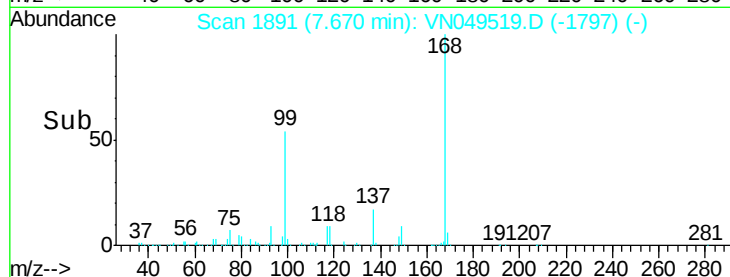
200000

100000

0

7.60 7.70 7.80

Time-->



#3

Chloromethane

Concen: 0.21 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN049519.D

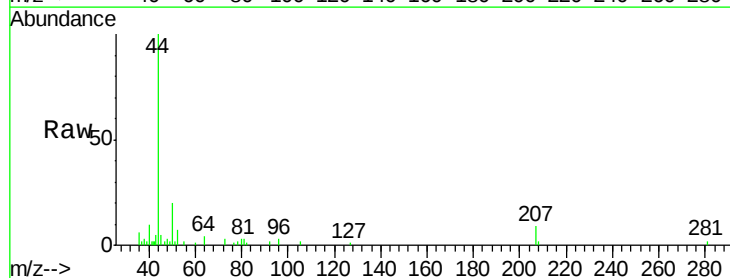
Acq: 25 Jun 2018 18:55

Tgt Ion: 50 Resp: 3623

Ion Ratio Lower Upper

50 100

52 35.7 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.06

2500

2000

1500

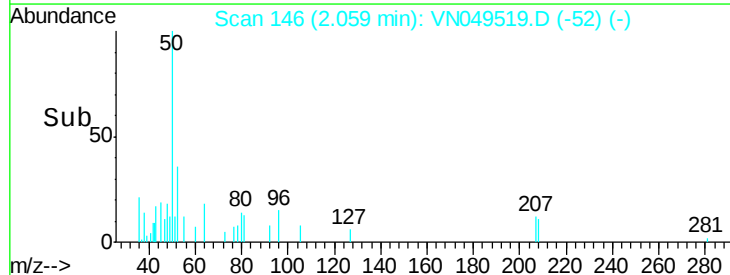
1000

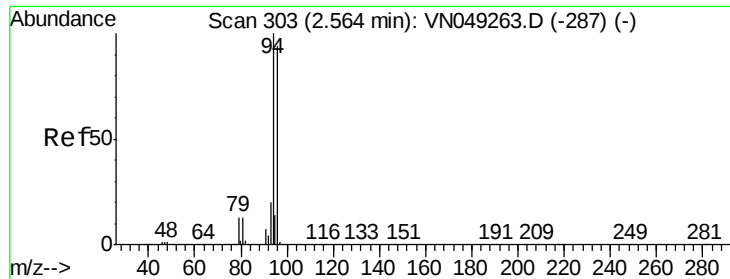
500

0

2.00 2.05 2.10

Time-->





#5

Bromomethane

Concen: 0.70 ug/l

RT: 2.57 min Scan# 306

Delta R.T. 0.01 min

Lab File: VN049519.D

Acq: 25 Jun 2018 18:55

Instrument :

MSVOA_N

ClientSampleId :

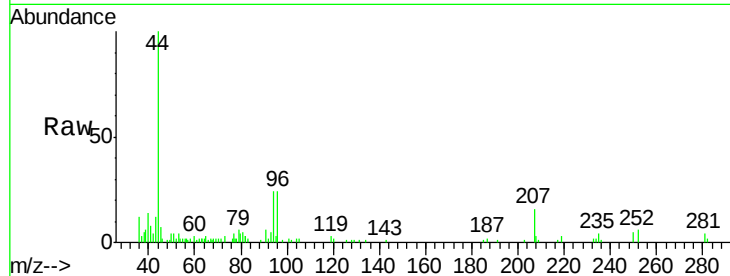
PB110537ZHE#04

Tot Ion: 94 Resp: 6684

Ion Ratio Lower Upper

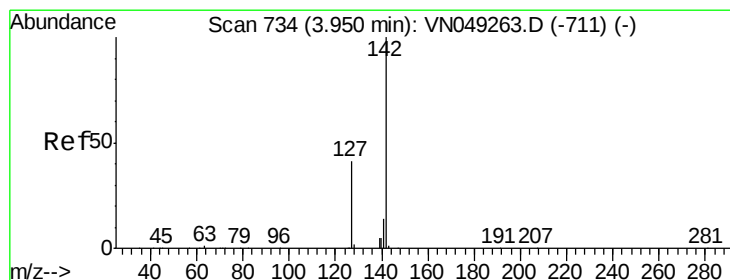
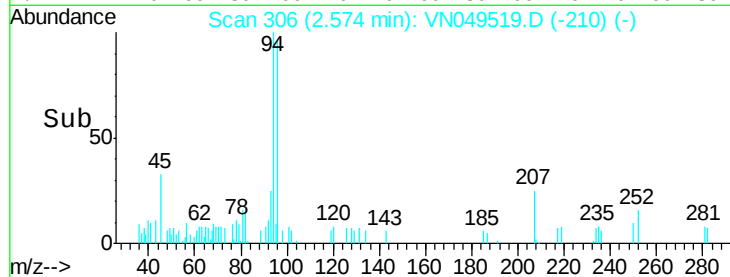
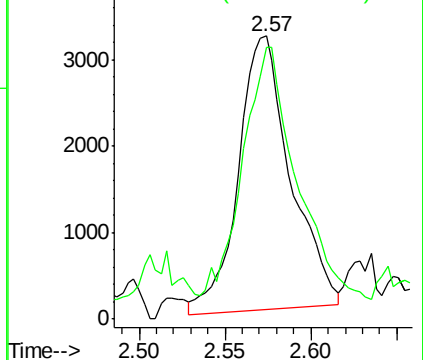
94 100

96 89.8 72.8 109.2



Abundance Ion 93.90 (93.60 to 94.60): VN049519.D (-210) (-)

Ion 95.90 (95.60 to 96.60): VN049519.D (-210) (-)



#10

Methyl Iodide

Concen: 0.28 ug/l

RT: 3.95 min Scan# 734

Delta R.T. 0.00 min

Lab File: VN049519.D

Acq: 25 Jun 2018 18:55

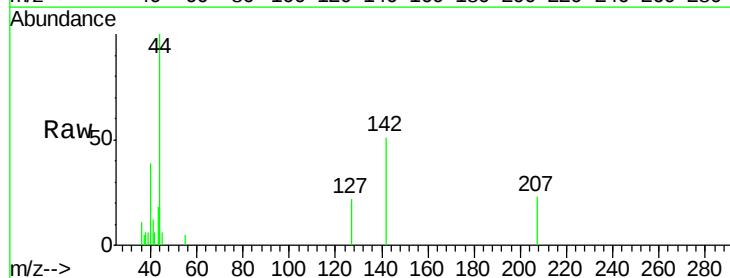
Tgt Ion:142 Resp: 4142

Ion Ratio Lower Upper

142 100

127 26.0 38.2 57.4#

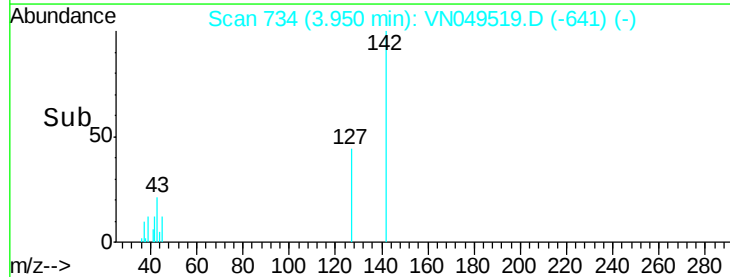
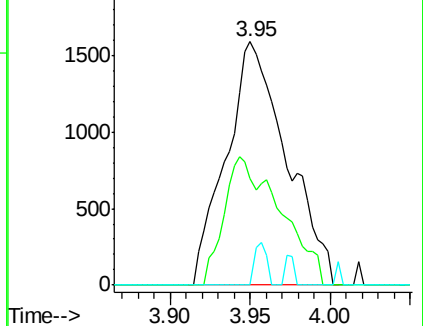
141 3.4 11.9 17.9#

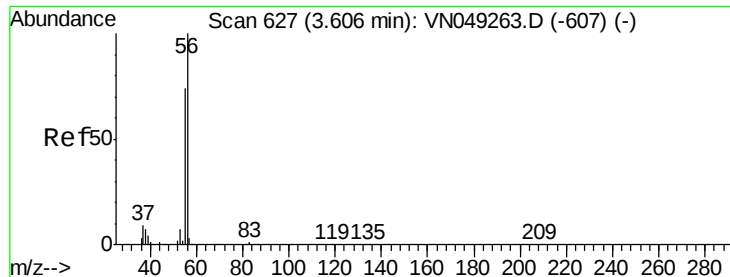


Abundance Ion 141.80 (141.50 to 142.50): VN049519.D (-641) (-)

Ion 126.80 (126.50 to 127.50): VN049519.D (-641) (-)

Ion 140.80 (140.50 to 141.50): VN049519.D (-641) (-)





#13

Acrolein

Concen: 0.84 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN049519.D

Acq: 25 Jun 2018 18:55

Instrument :

MSVOA_N

ClientSampleId :

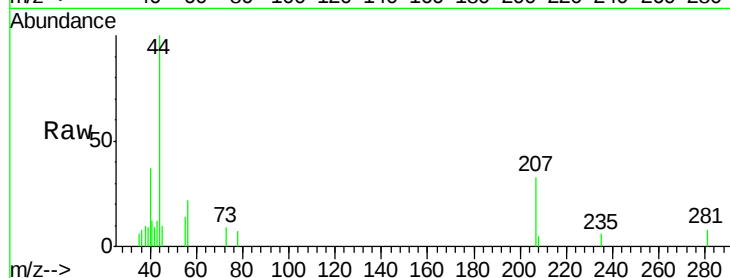
PB110537ZHE#04

Tot Ion: 56 Resp: 789

Ion Ratio Lower Upper

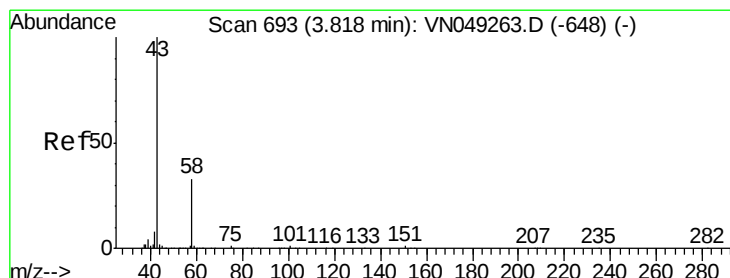
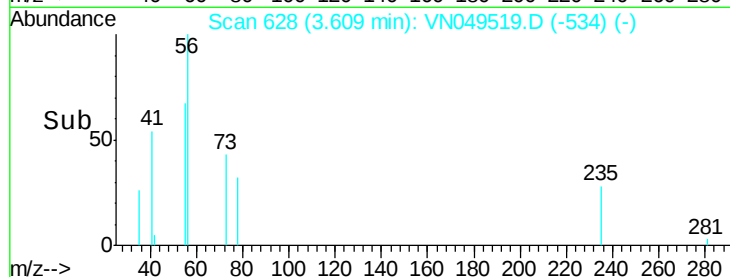
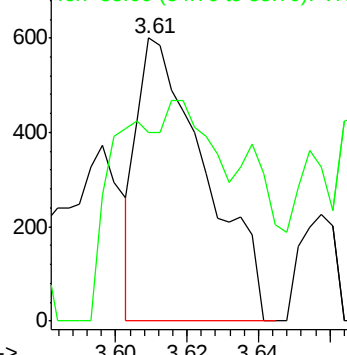
56 100

55 46.3 57.1 85.7#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#16

Acetone

Concen: 15.65 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.01 min

Lab File: VN049519.D

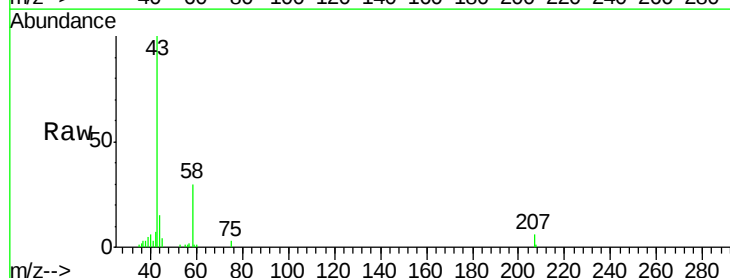
Acq: 25 Jun 2018 18:55

Tgt Ion: 43 Resp: 58175

Ion Ratio Lower Upper

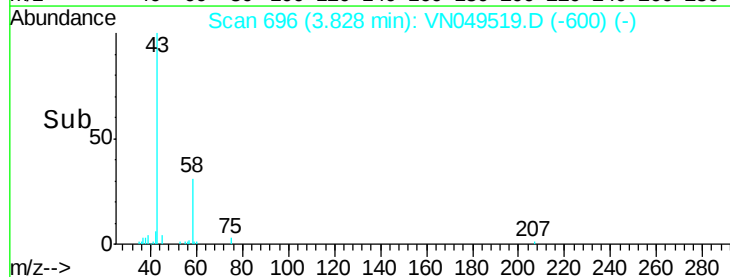
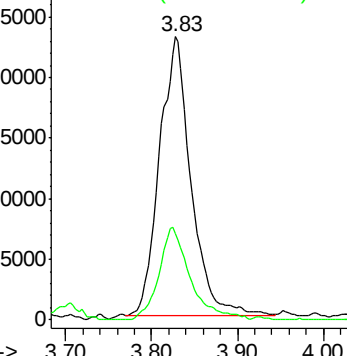
43 100

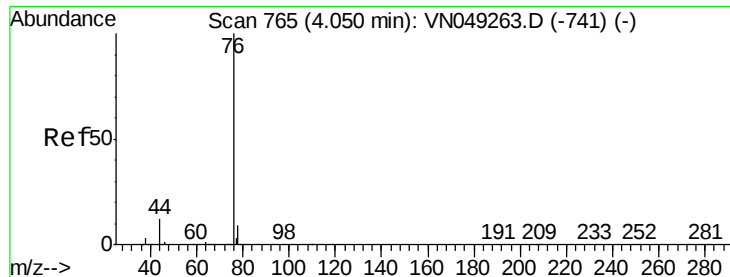
58 30.9 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 0.29 ug/l

RT: 4.06 min Scan# 767

Delta R.T. 0.01 min

Lab File: VN049519.D

Acq: 25 Jun 2018 18:55

Instrument :

MSVOA_N

ClientSampleId :

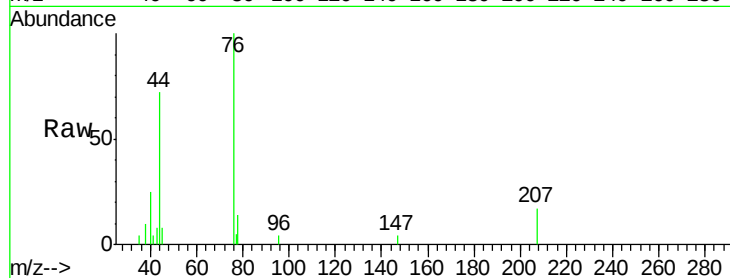
PB110537ZHE#04

Tot Ion: 76 Resp: 12195

Ion Ratio Lower Upper

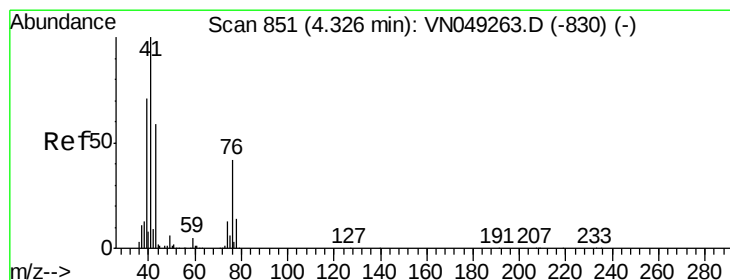
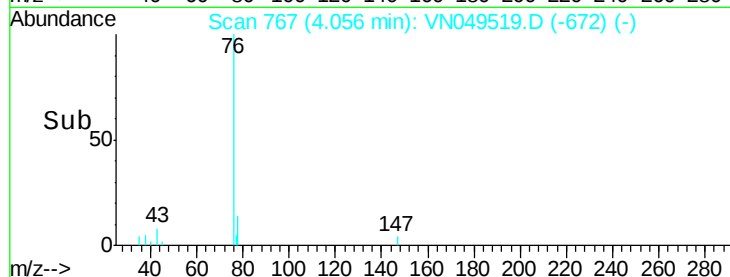
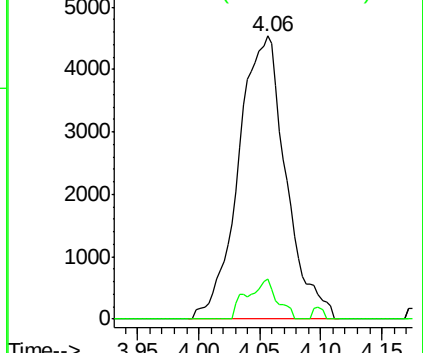
76 100

78 14.4 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VN049519.D (-741) (-)

Ion 77.90 (77.60 to 78.60): VN049519.D (-741) (-)



#18

Methyl Acetate

Concen: 7.20 ug/l

RT: 4.34 min Scan# 854

Delta R.T. 0.01 min

Lab File: VN049519.D

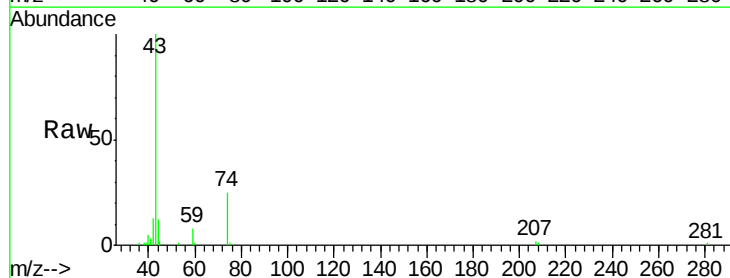
Acq: 25 Jun 2018 18:55

Tgt Ion: 43 Resp: 81676

Ion Ratio Lower Upper

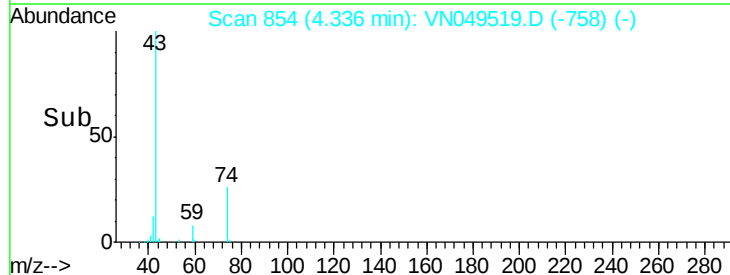
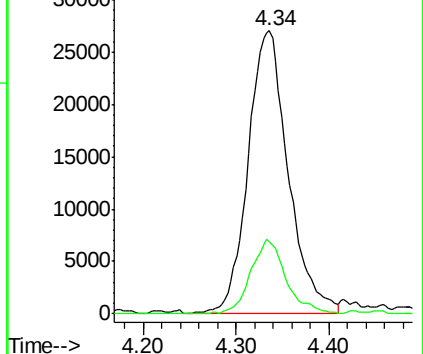
43 100

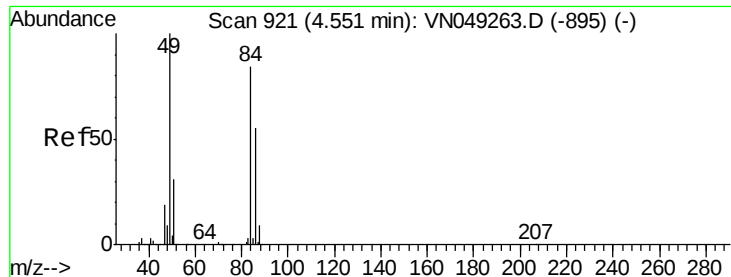
74 23.1 17.4 26.0



Abundance Ion 43.00 (42.70 to 43.70): VN049519.D (-758) (-)

Ion 74.00 (73.70 to 74.70): VN049519.D (-758) (-)





#20

Methvlene Chloride

Concen: 2.09 ug/l

RT: 4.55 min Scan# 921

Delta R.T. 0.00 min

Lab File: VN049519.D

Acq: 25 Jun 2018 18:55

Instrument :

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ClientSampleId :

PB110537ZHE#04

Tot Ion: 84 Resp: 32473

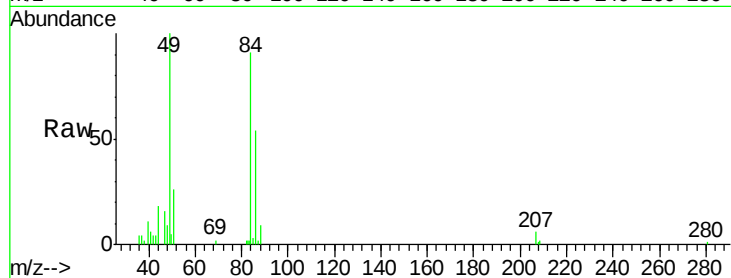
Ion Ratio Lower Upper

84 100

49 109.4 106.9 160.3

51 28.9 32.7 49.1#

86 59.3 49.8 74.8

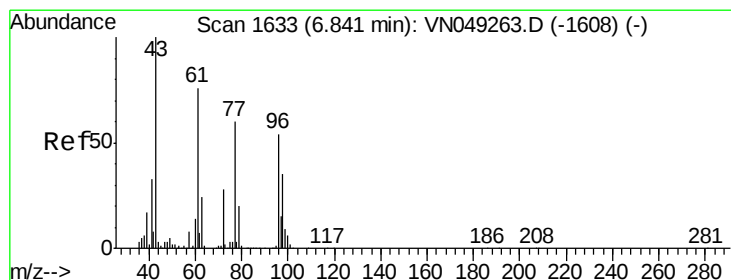
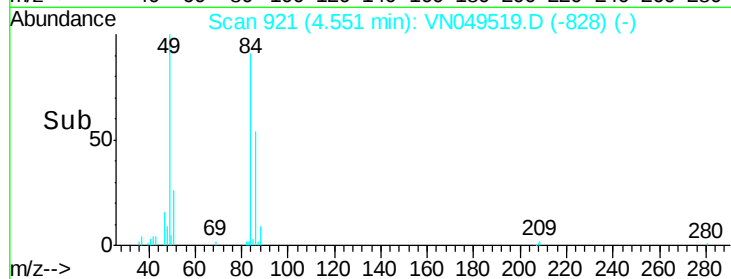
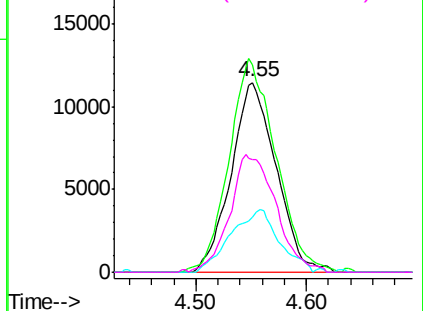


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#25

2-Butanone

Concen: 1.65 ug/l

RT: 6.85 min Scan# 1635

Delta R.T. 0.01 min

Lab File: VN049519.D

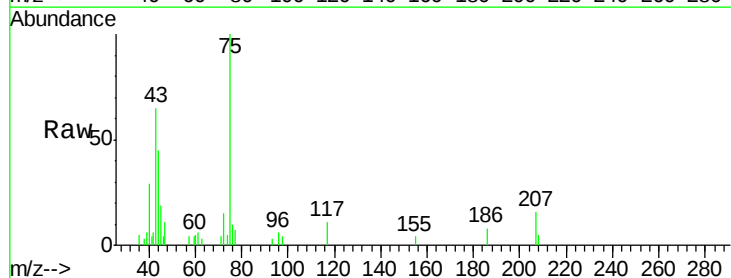
Acq: 25 Jun 2018 18:55

Tgt Ion: 43 Resp: 8244

Ion Ratio Lower Upper

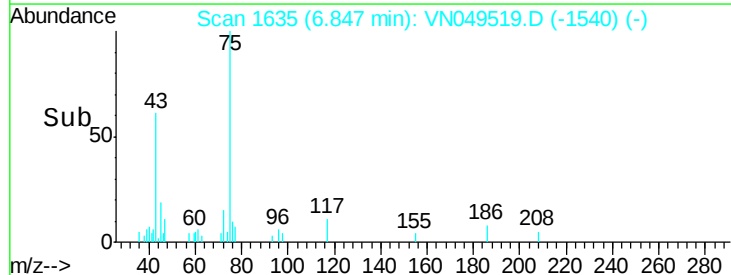
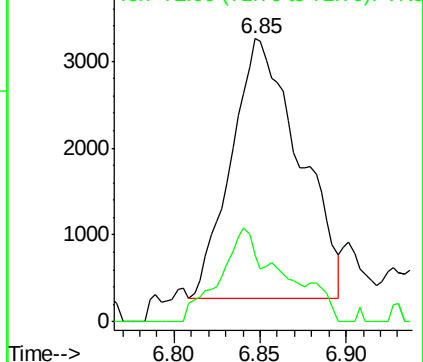
43 100

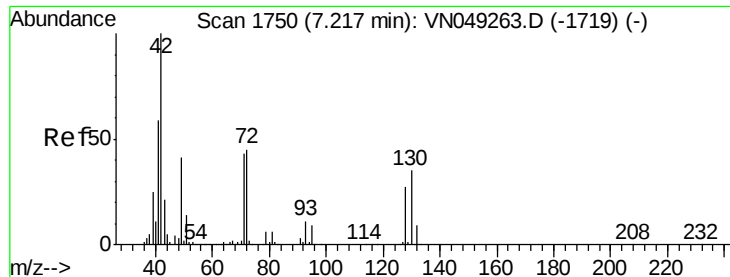
72 25.6 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0





#29

Tetrahydrofuran

Concen: 0.74 ug/l

RT: 7.21 min Scan# 1749

Delta R.T. -0.00 min

Lab File: VN049519.D

Acq: 25 Jun 2018 18:55

Instrument :

MSVOA_N

ClientSampleId :

PB110537ZHE#04

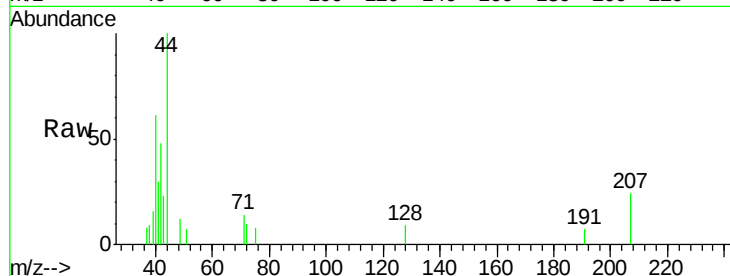
Tot Ion: 42 Resp: 2390

Ion Ratio Lower Upper

42 100

72 8.9 32.2 48.4#

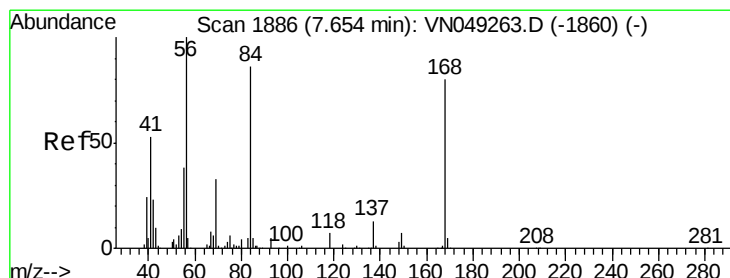
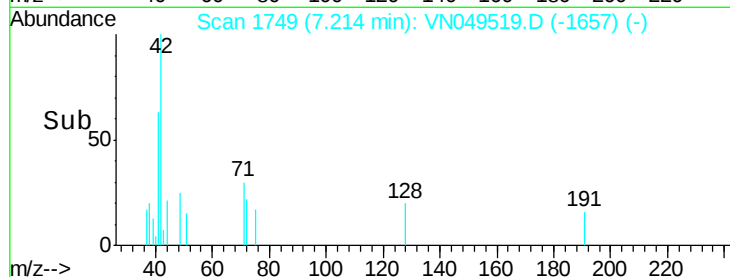
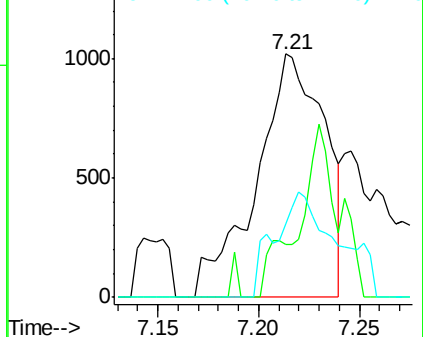
71 5.9 30.5 45.7#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#31

Cyclohexane

Concen: 0.75 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. 0.01 min

Lab File: VN049519.D

Acq: 25 Jun 2018 18:55

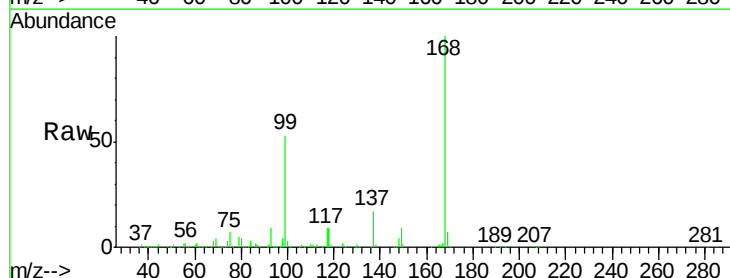
Tgt Ion: 56 Resp: 20911

Ion Ratio Lower Upper

56 100

69 190.8 25.0 37.4#

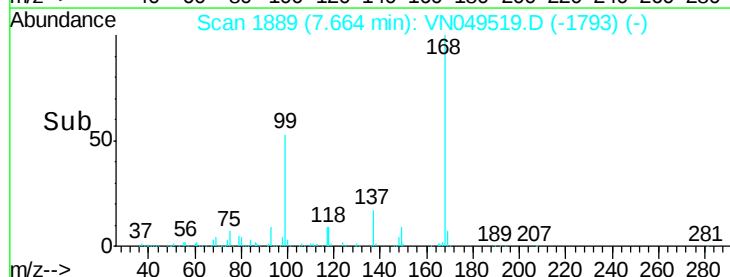
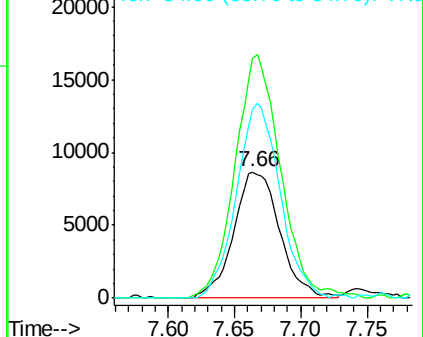
84 149.3 64.6 96.8#

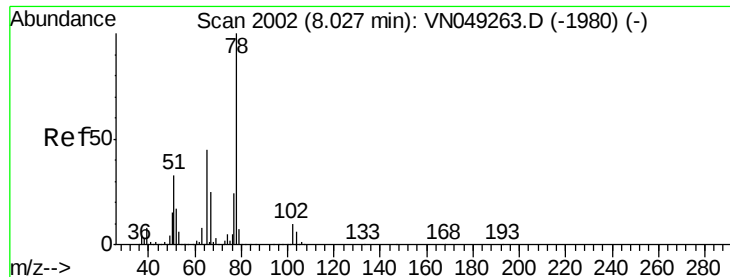


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

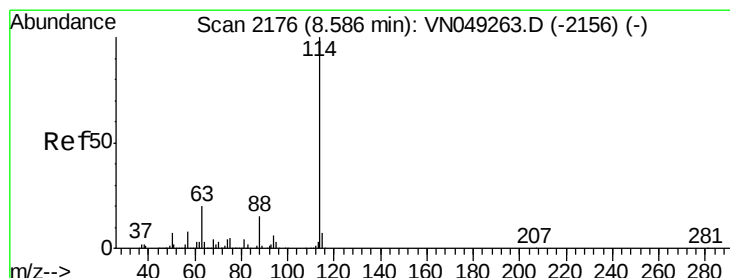
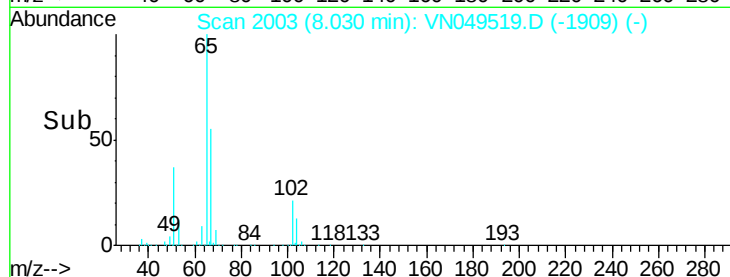
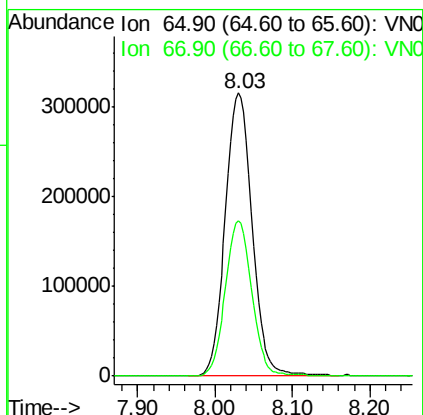
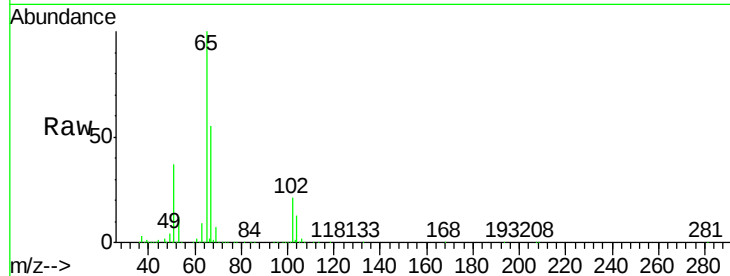




#33
 1,2-Dichloroethane-d4
 Concen: 49.82 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN049519.D
 Acq: 25 Jun 2018 18:55

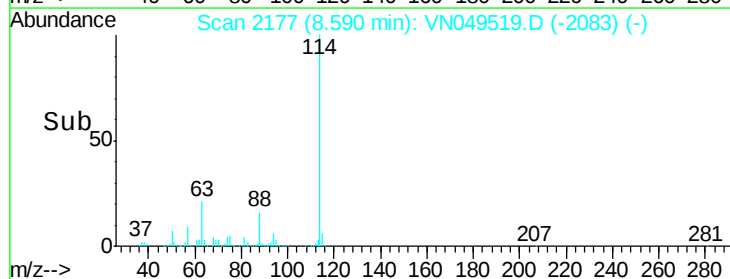
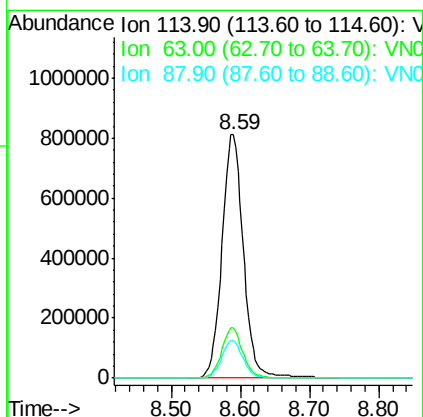
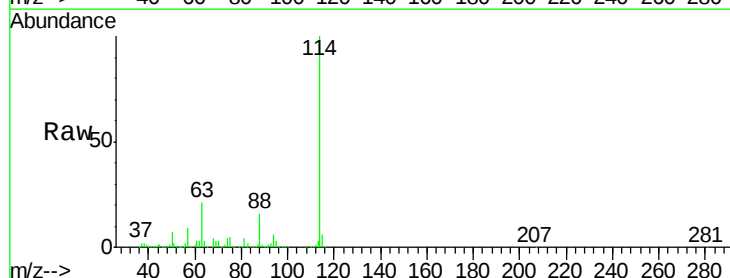
Instrument :
 MSVOA_N
 ClientSampleId :
 PB110537ZHE#04

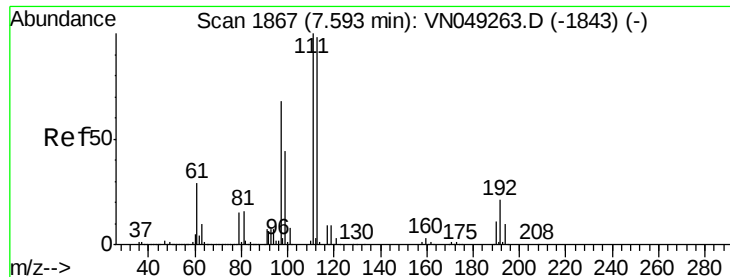
Tot Ion: 65 Resp: 762907
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN049519.D
 Acq: 25 Jun 2018 18:55

Tgt Ion: 114 Resp: 1750647
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 44.4
 88 15.6 0.0 31.4

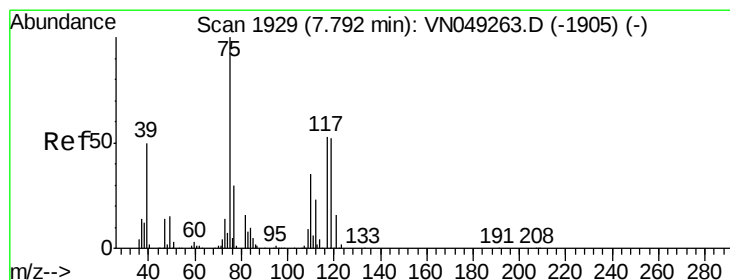
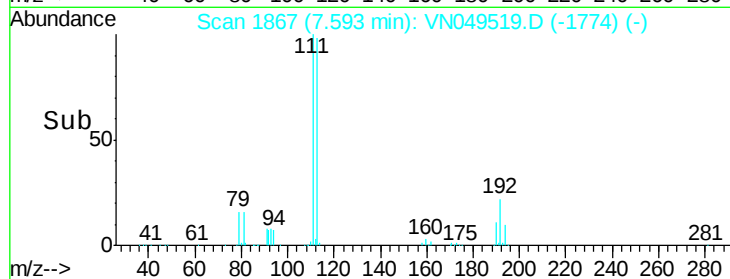
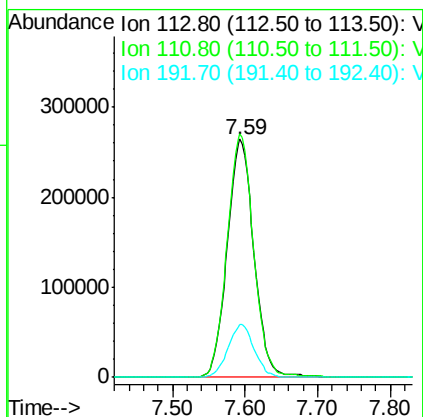
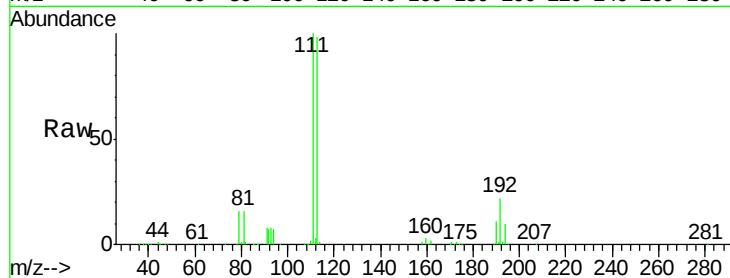




#35
 Dibromofluoromethane
 Concen: 47.79 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049519.D
 Acq: 25 Jun 2018 18:55

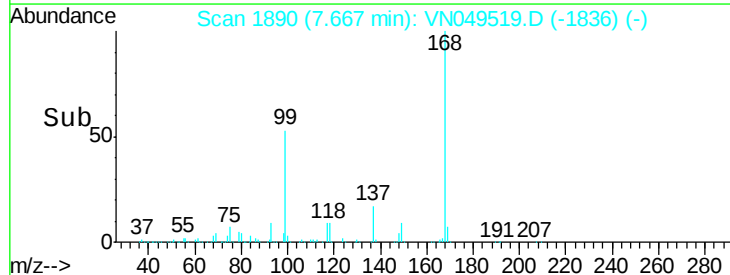
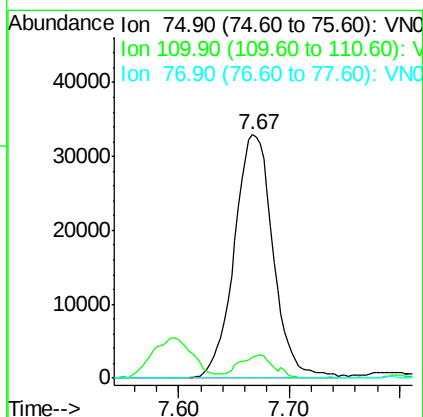
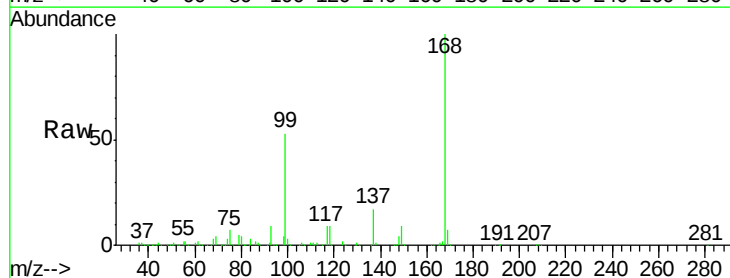
Instrument :
 MSVOA_N
 ClientSampleId :
 PB110537ZHE#04

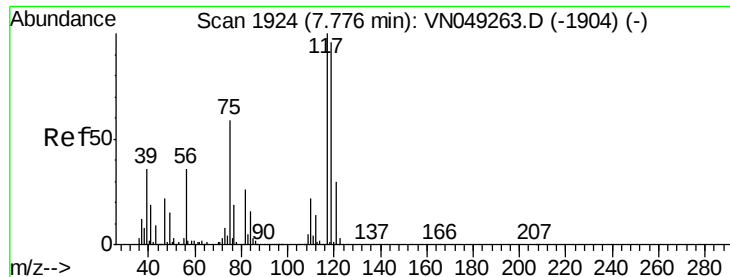
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.6	82.4	123.6
192	21.9	15.0	22.6



#36
 1,1-Dichloropropene
 Concen: 4.00 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN049519.D
 Acq: 25 Jun 2018 18:55

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.6	17.0	50.9#
77	0.0	24.4	36.6#





#38

Carbon Tetrachloride

Concen: 4.96 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.11 min

Lab File: VN049519.D

Acq: 25 Jun 2018 18:55

Instrument :

MSVOA_N

ClientSampleId :

PB110537ZHE#04

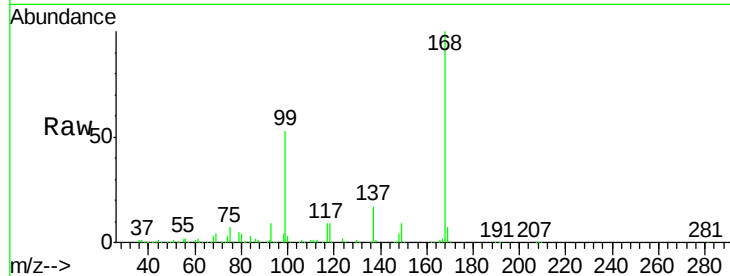
Tot Ion:117 Resp: 103055

Ion Ratio Lower Upper

117 100

119 5.5 75.6 113.4#

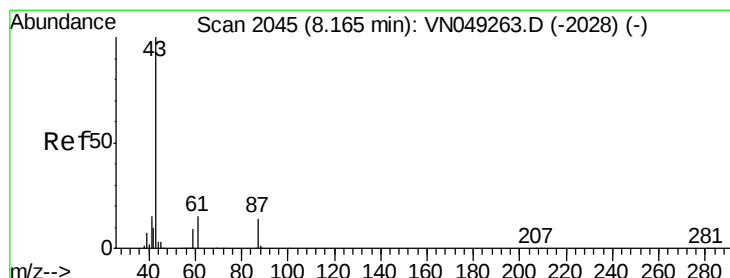
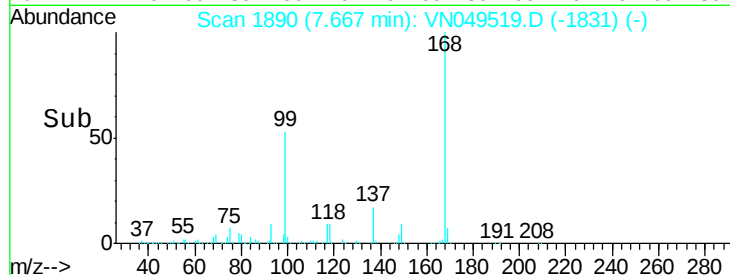
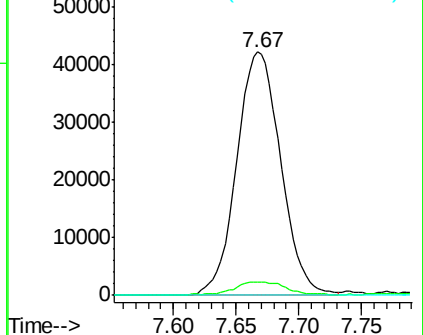
121 0.0 24.7 37.1#



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: 3.21 ug/l

RT: 8.24 min Scan# 2067

Delta R.T. 0.07 min

Lab File: VN049519.D

Acq: 25 Jun 2018 18:55

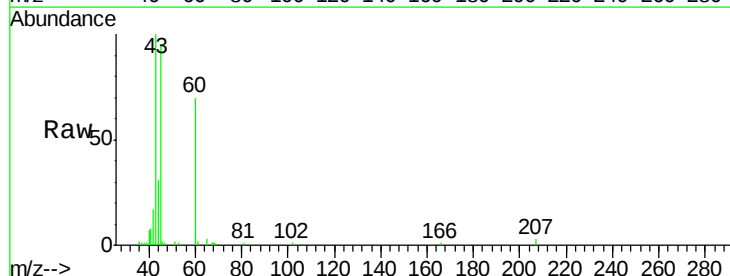
Tgt Ion: 43 Resp: 66850

Ion Ratio Lower Upper

43 100

61 0.0 14.2 21.4#

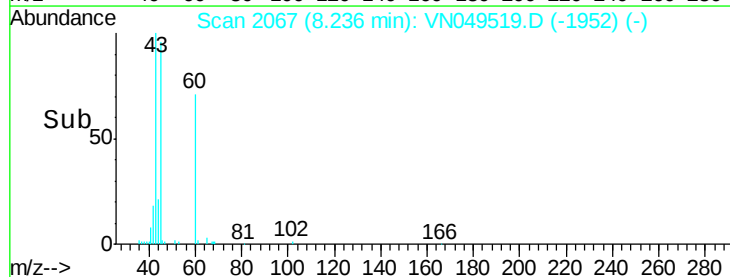
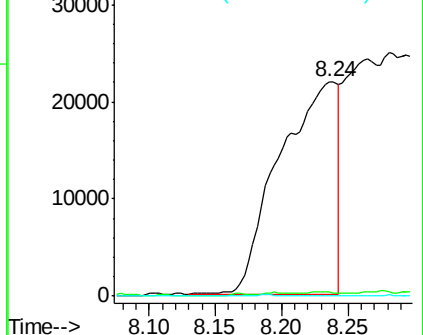
87 0.0 9.4 14.0#

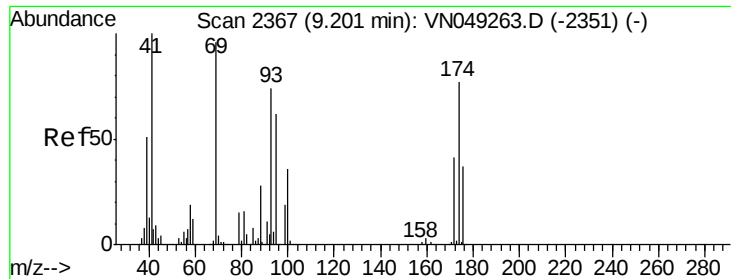


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

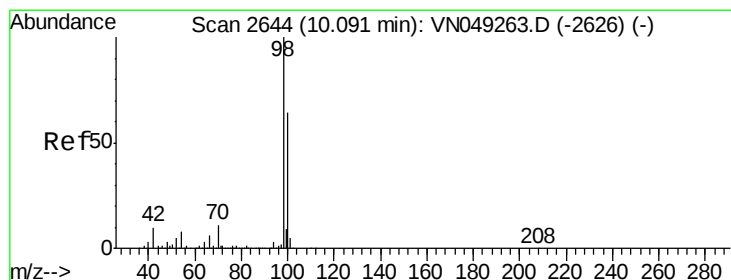
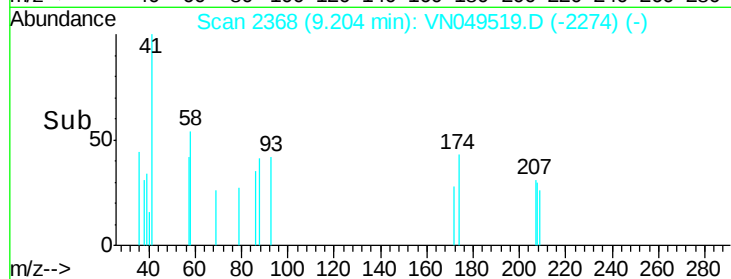
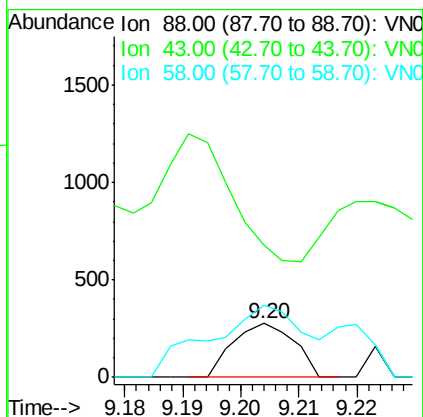
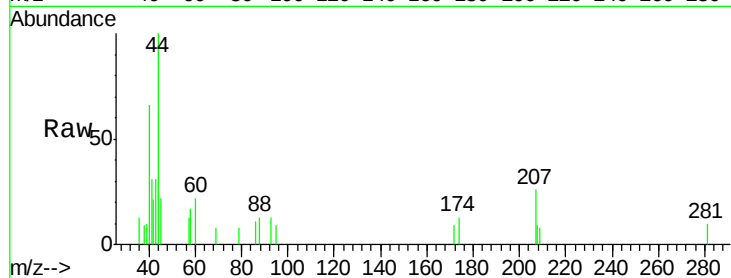




#49
1,4-Dioxane
Concen: 1.51 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN049519.D
Acq: 25 Jun 2018 18:55

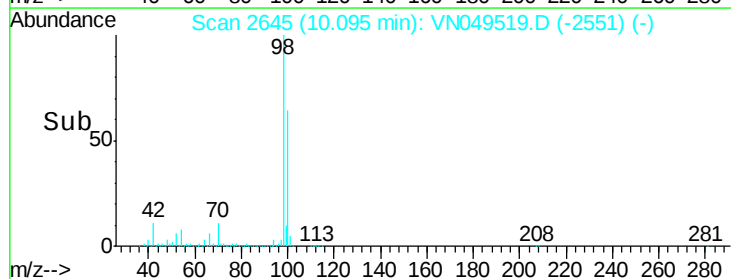
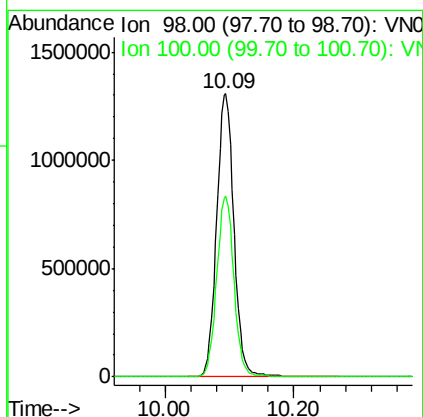
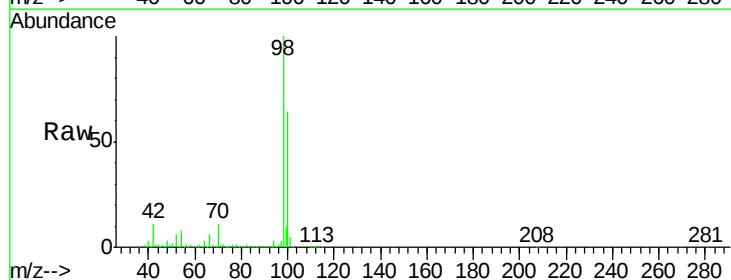
Instrument :
MSVOA_N
ClientSampleId :
PB110537ZHE#04

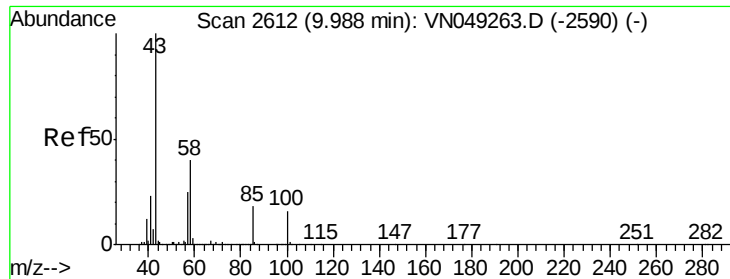
Tot Ion: 88 Resp: 204
Ion Ratio Lower Upper
88 100
43 263.2 30.9 46.3#
58 206.4 58.9 88.3#



#50
Toluene-d8
Concen: 45.51 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN049519.D
Acq: 25 Jun 2018 18:55

Tgt Ion: 98 Resp: 2454486
Ion Ratio Lower Upper
98 100
100 63.6 49.8 74.8

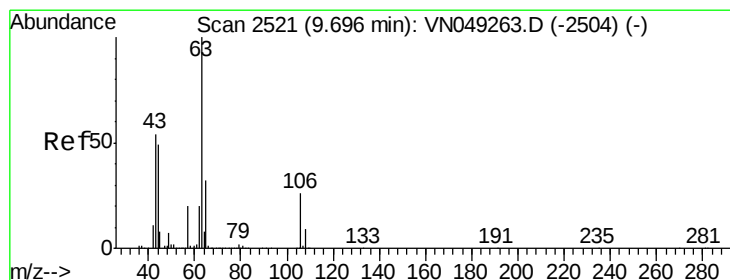
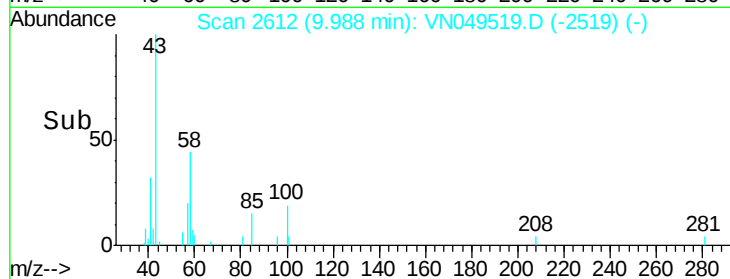
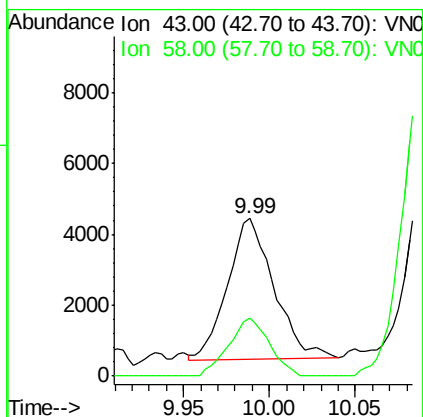
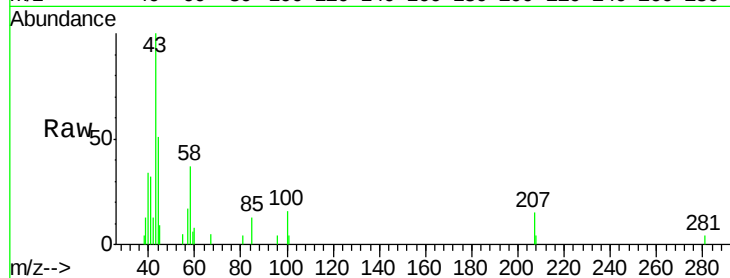




#51
 4-Methyl-2-Pentanone
 Concen: 0.68 ug/l
 RT: 9.99 min Scan# 2612
 Delta R.T. 0.00 min
 Lab File: VN049519.D
 Acq: 25 Jun 2018 18:55

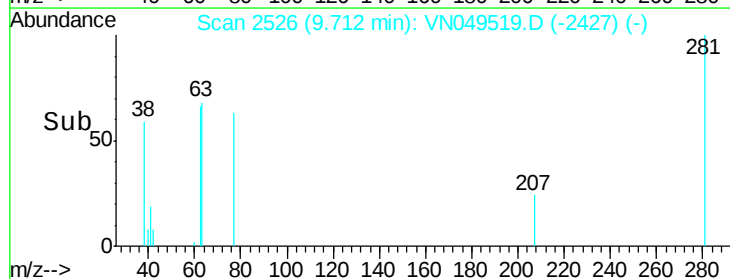
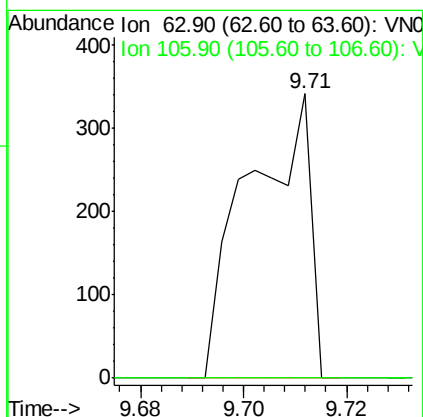
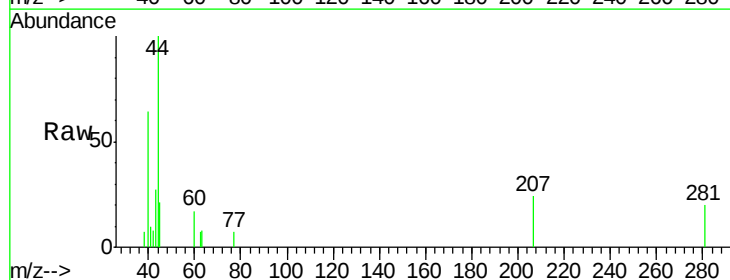
Instrument :
 MSVOA_N
 ClientSampleId :
 PB110537ZHE#04

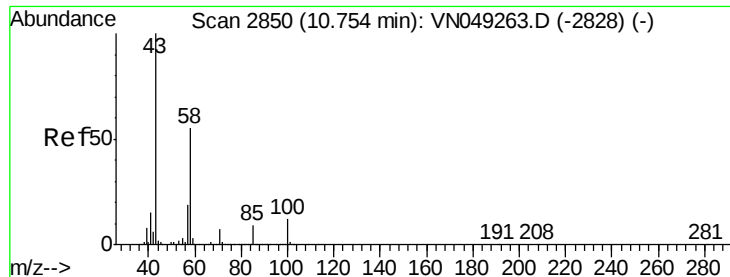
Tot Ion: 43 Resp: 7410
 Ion Ratio Lower Upper
 43 100
 58 36.4 29.0 43.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 14.37 ug/l
 RT: 9.71 min Scan# 2526
 Delta R.T. 0.02 min
 Lab File: VN049519.D
 Acq: 25 Jun 2018 18:55

Tgt Ion: 63 Resp: 282
 Ion Ratio Lower Upper
 63 100
 106 0.0 19.4 29.2#





#59

2-Hexanone

Concen: 0.78 ug/l

RT: 10.75 min Scan# 2850

Delta R.T. 0.00 min

Lab File: VN049519.D

Acq: 25 Jun 2018 18:55

Instrument :

MSVOA_N

ClientSampleId :

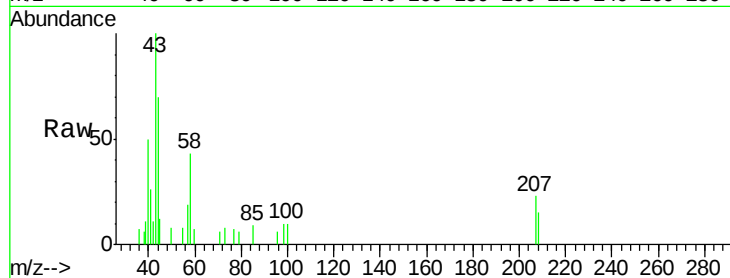
PB110537ZHE#04

Tot Ion: 43 Resp: 5511

Ion Ratio Lower Upper

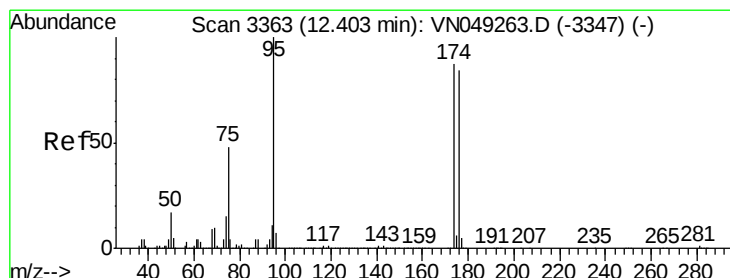
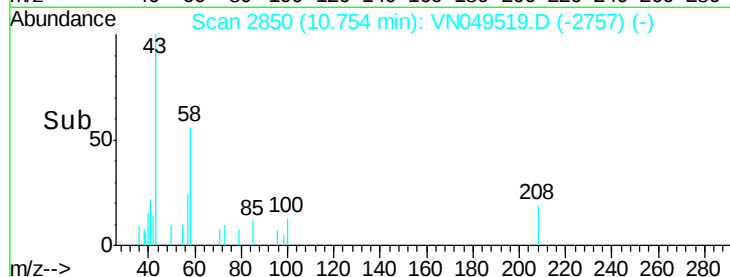
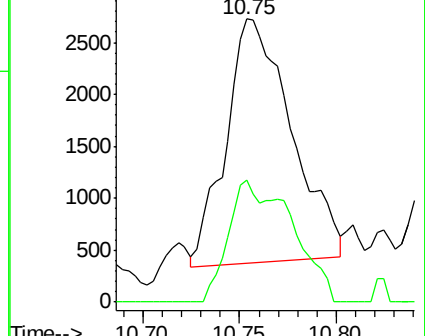
43 100

58 26.6 25.2 75.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#62

4-Bromofluorobenzene

Concen: 31.29 ug/l

RT: 12.41 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN049519.D

Acq: 25 Jun 2018 18:55

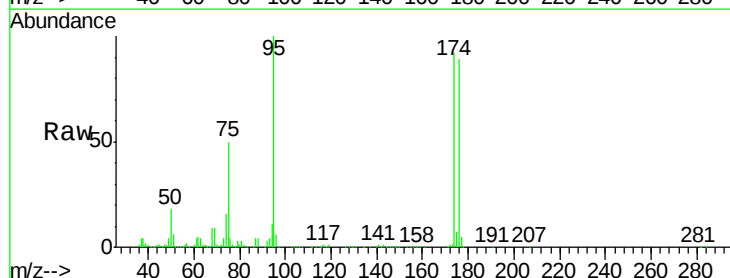
Tgt Ion: 95 Resp: 558025

Ion Ratio Lower Upper

95 100

174 90.1 0.0 165.6

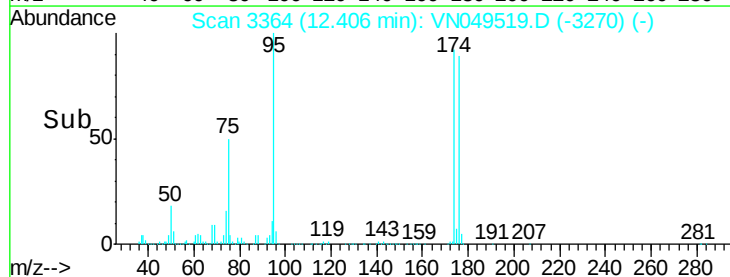
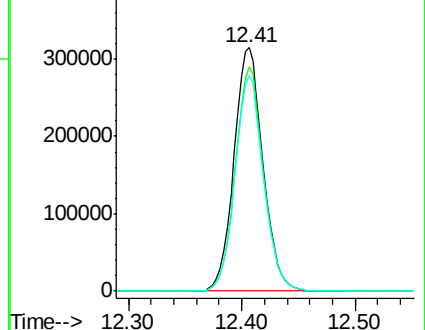
176 87.1 0.0 157.4

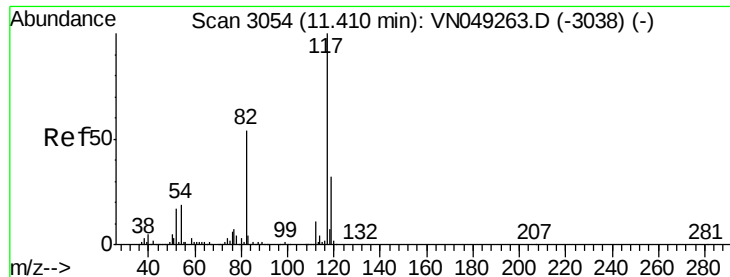


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN049519.D

Acq: 25 Jun 2018 18:55

Instrument :

MSVOA_N

ClientSampleId :

PB110537ZHE#04

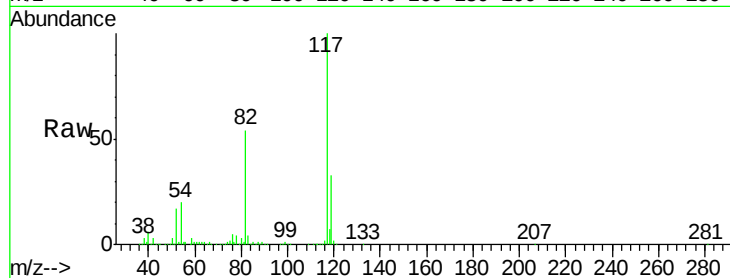
Tot Ion:117 Resp: 1463035

Ion Ratio Lower Upper

117 100

82 53.6 45.9 68.9

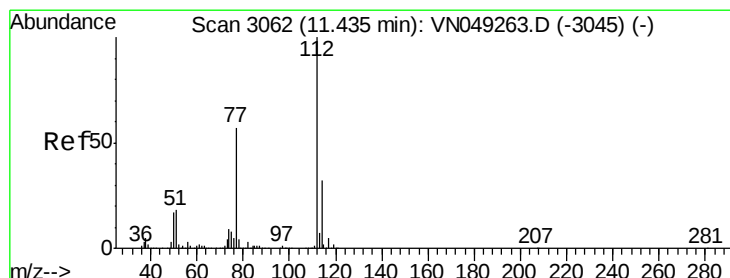
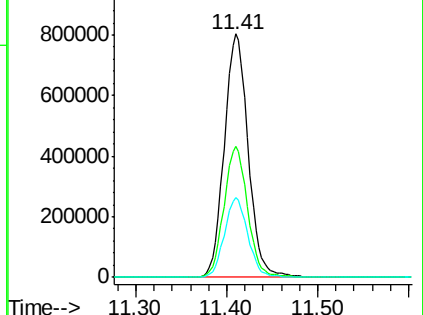
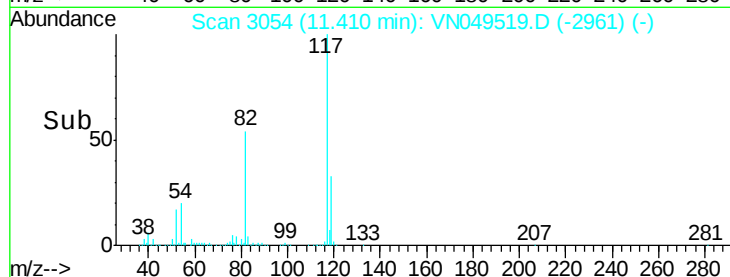
119 32.8 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): V



#65

Chlorobenzene

Concen: 0.40 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN049519.D

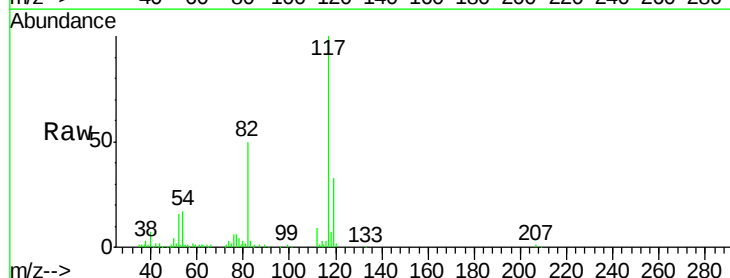
Acq: 25 Jun 2018 18:55

Tgt Ion:112 Resp: 15049

Ion Ratio Lower Upper

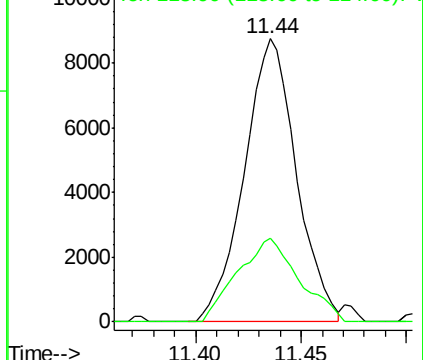
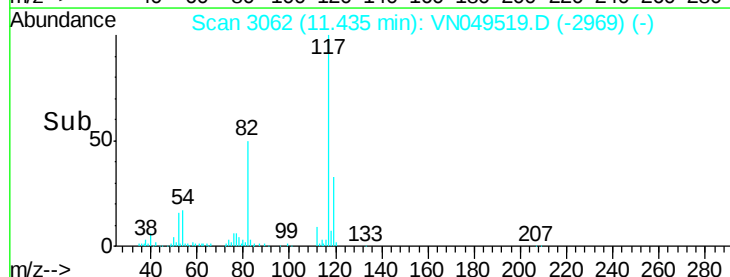
112 100

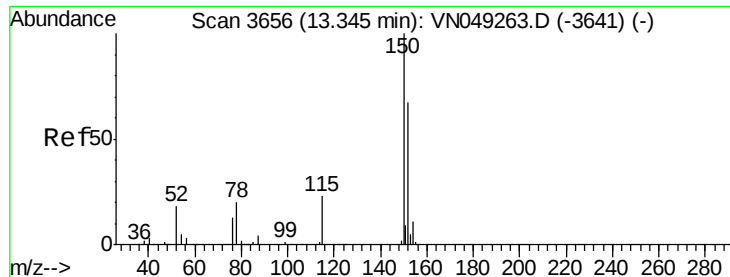
114 29.4 26.2 39.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): 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: VN049519.D

Acq: 25 Jun 2018 18:55

Instrument :

MSVOA_N

ClientSampleId :

PB110537ZHE#04

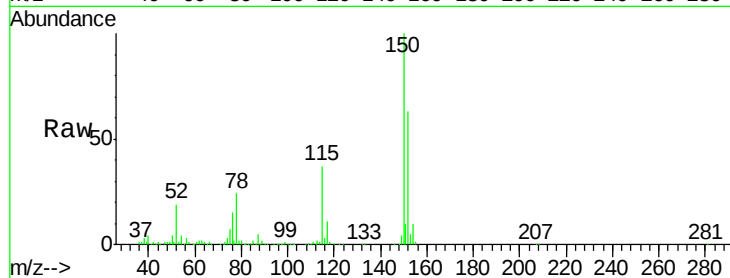
Tot Ion:152 Resp: 342263

Ion Ratio Lower Upper

152 100

115 57.2 28.7 86.1

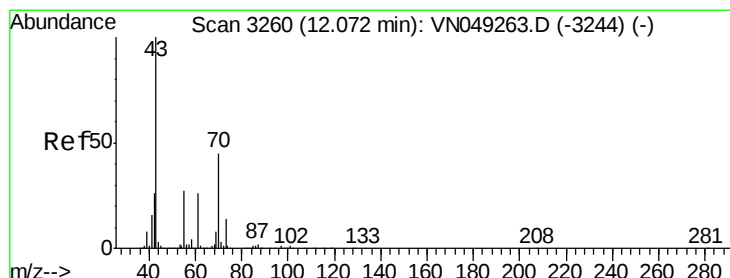
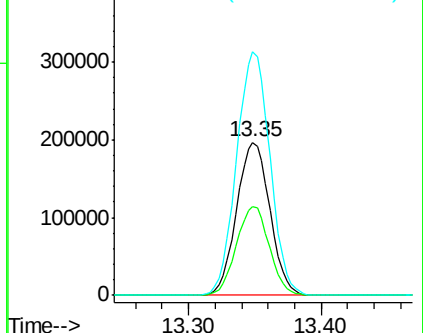
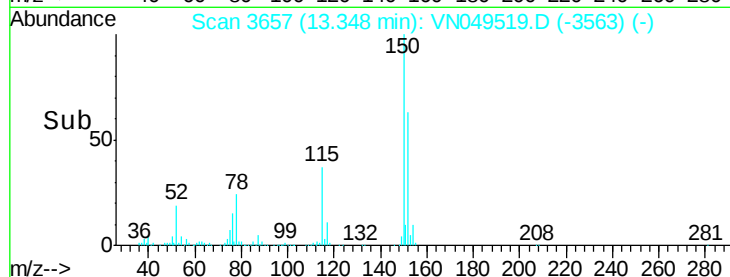
150 160.1 0.0 351.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: 0.36 ug/l

RT: 12.08 min Scan# 3264

Delta R.T. 0.01 min

Lab File: VN049519.D

Acq: 25 Jun 2018 18:55

Tgt Ion: 43 Resp: 2616

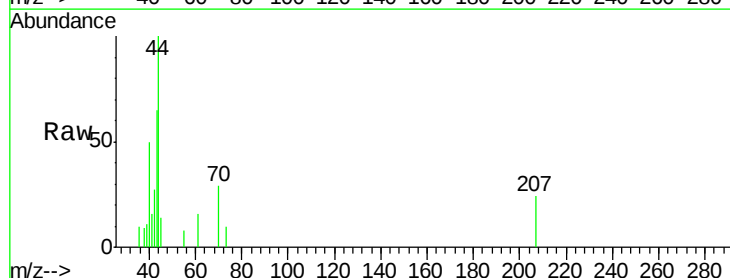
Ion Ratio Lower Upper

43 100

70 28.8 30.3 45.5#

55 7.0 19.4 29.2#

61 0.0 17.8 26.6#

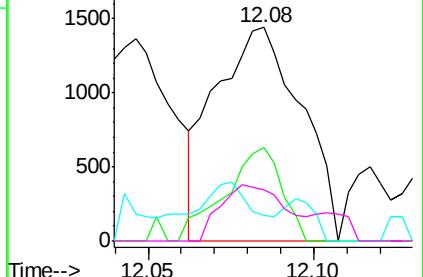
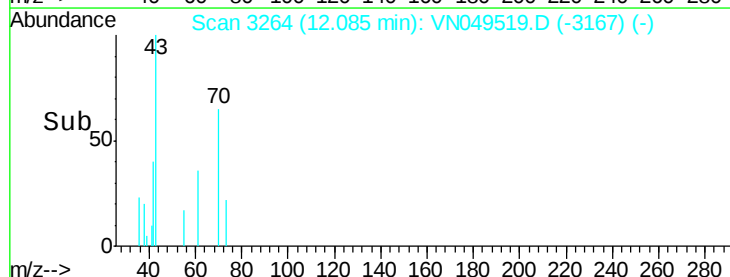


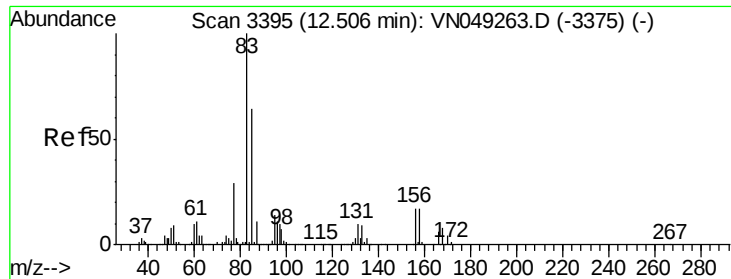
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.50 min Scan# 3393

Delta R.T. -0.01 min

Lab File: VN049519.D

Acq: 25 Jun 2018 18:55

Instrument :

MSVOA_N

ClientSampleId :

PB110537ZHE#04

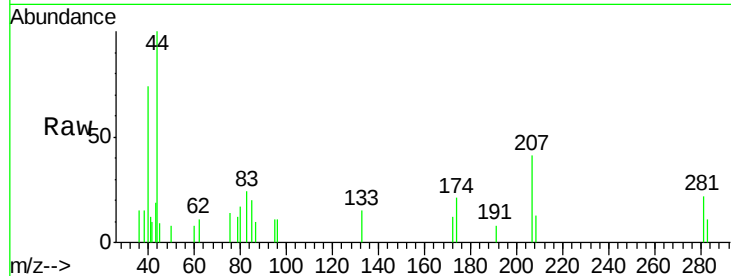
Tot Ion: 83 Resp: 405

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

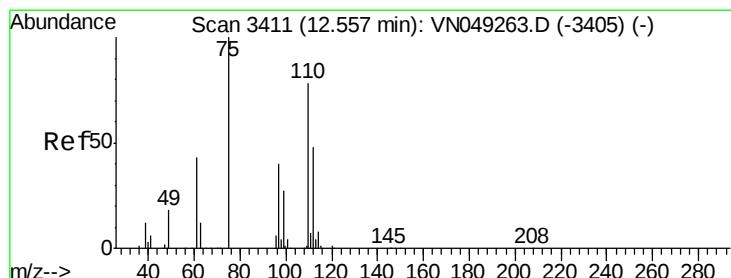
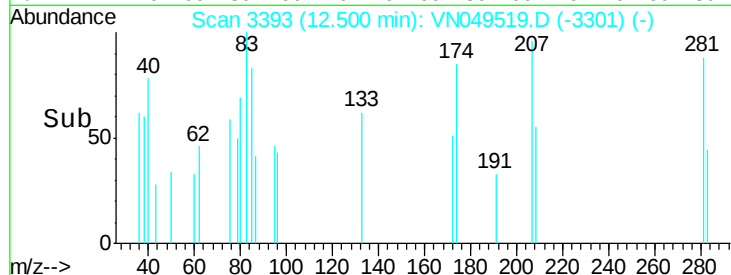
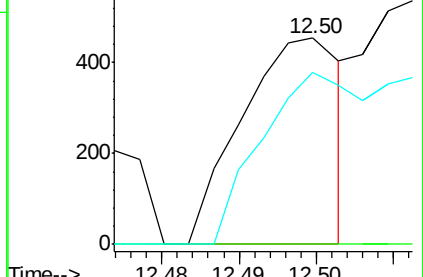
85 84.0 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): VNO

Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 46.19 ug/l

RT: 12.41 min Scan# 3364

Delta R.T. -0.15 min

Lab File: VN049519.D

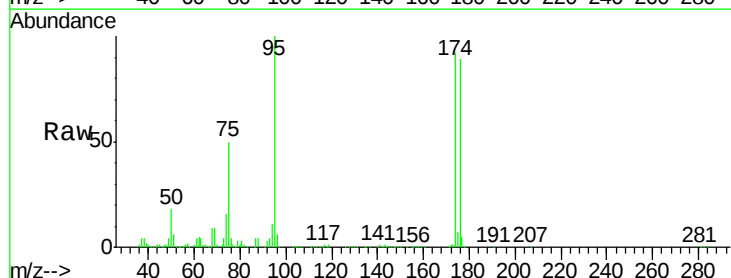
Acq: 25 Jun 2018 18:55

Tgt Ion: 75 Resp: 269742

Ion Ratio Lower Upper

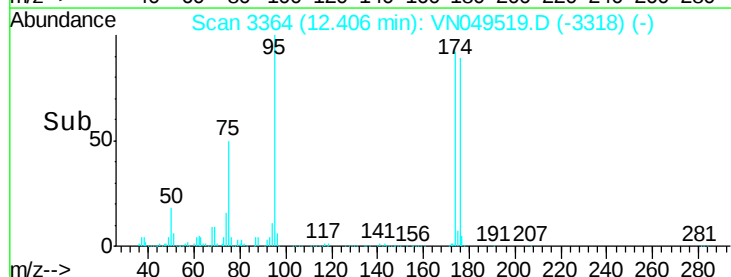
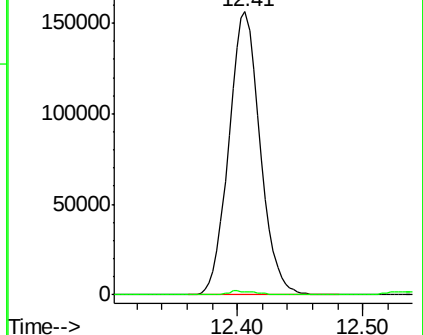
75 100

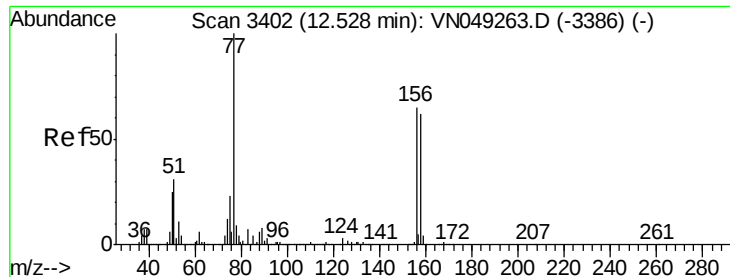
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 0.23 ug/l

RT: 12.53 min Scan# 3403

Delta R.T. 0.00 min

Lab File: VN049519.D

Acq: 25 Jun 2018 18:55

Instrument :

MSVOA_N

ClientSampleId :

PB110537ZHE#04

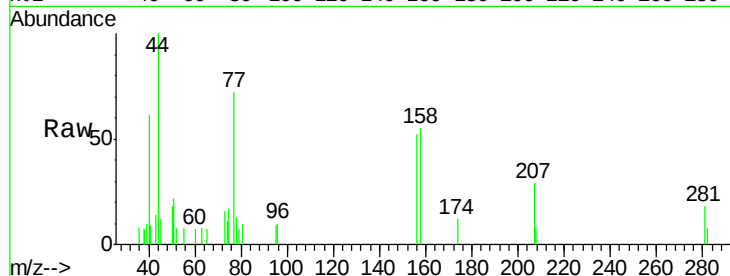
Tot Ion:156 Resp: 1863

Ion Ratio Lower Upper

156 100

77 217.0 100.8 302.4

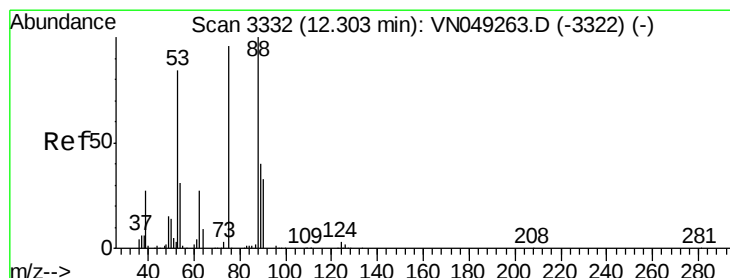
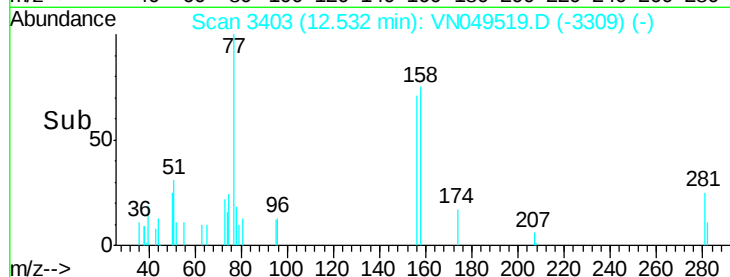
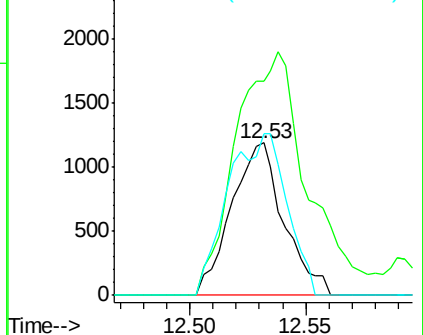
158 119.6 49.3 147.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VNO

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 145.98 ug/l

RT: 12.41 min Scan# 3364

Delta R.T. 0.10 min

Lab File: VN049519.D

Acq: 25 Jun 2018 18:55

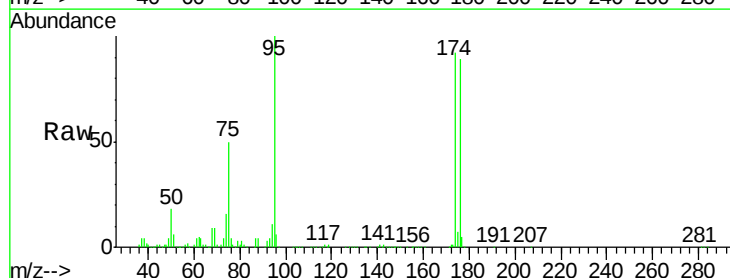
Tgt Ion: 75 Resp: 269742

Ion Ratio Lower Upper

75 100

53 0.2 82.7 124.1#

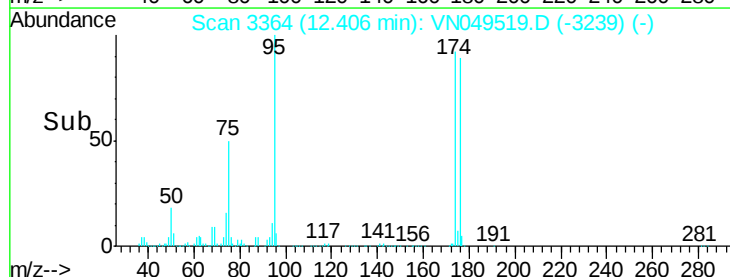
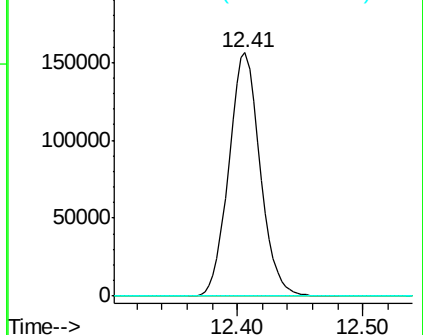
89 0.0 36.5 54.7#

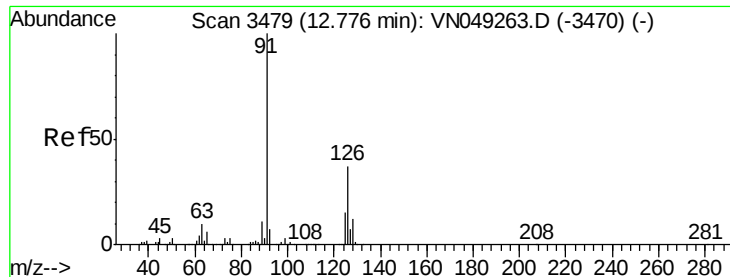


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

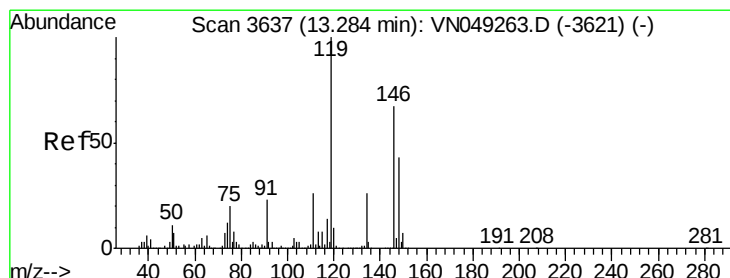
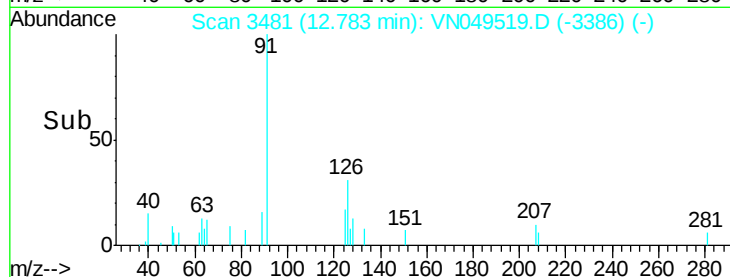
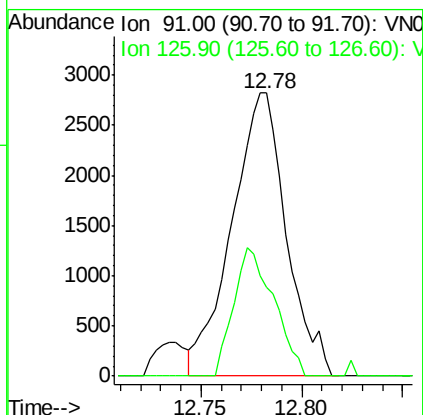
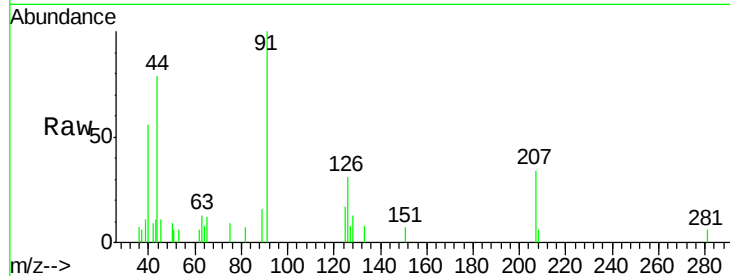




#82
4-Chlorotoluene
Concen: 0.26 ug/l
RT: 12.78 min Scan# 3481
Delta R.T. 0.01 min
Lab File: VN049519.D
Acq: 25 Jun 2018 18:55

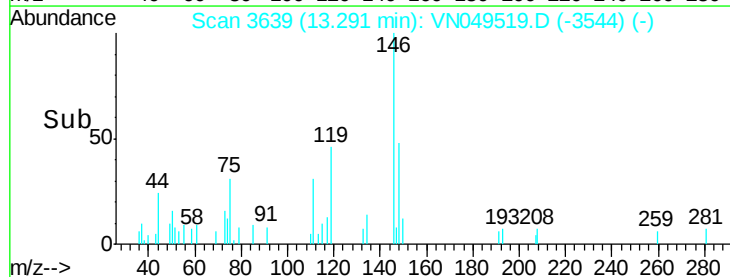
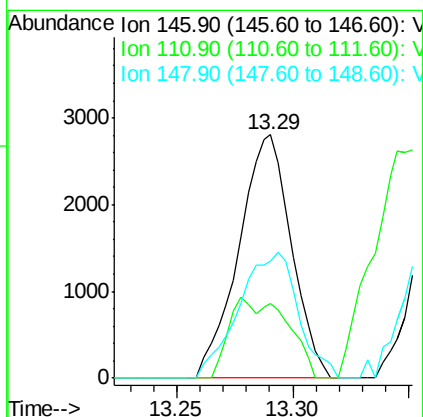
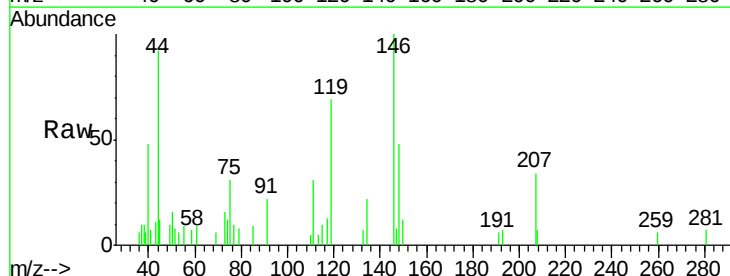
Instrument :
MSVOA_N
ClientSampleId :
PB110537ZHE#04

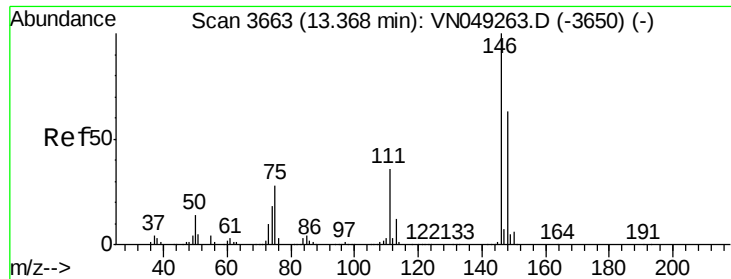
Tot Ion: 91 Resp: 5339
Ion Ratio Lower Upper
91 100
126 33.5 16.4 49.1



#87
1,3-Dichlorobenzene
Concen: 0.34 ug/l
RT: 13.29 min Scan# 3639
Delta R.T. 0.01 min
Lab File: VN049519.D
Acq: 25 Jun 2018 18:55

Tgt Ion: 146 Resp: 4407
Ion Ratio Lower Upper
146 100
111 17.4 19.9 59.6#
148 58.3 32.1 96.5





#88

1,4-Dichlorobenzene

Concen: 0.45 ug/l

RT: 13.37 min Scan# 3663

Delta R.T. 0.00 min

Lab File: VN049519.D

Acq: 25 Jun 2018 18:55

Instrument :

MSVOA_N

ClientSampleId :

PB110537ZHE#04

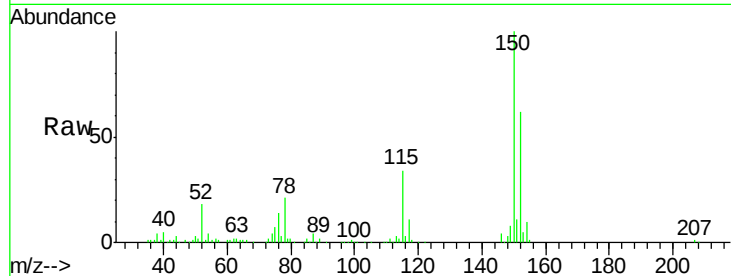
Tot Ion:146 Resp: 5812

Ion Ratio Lower Upper

146 100

111 111.8 19.1 57.1#

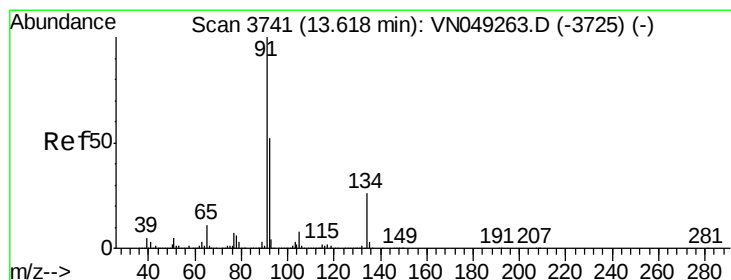
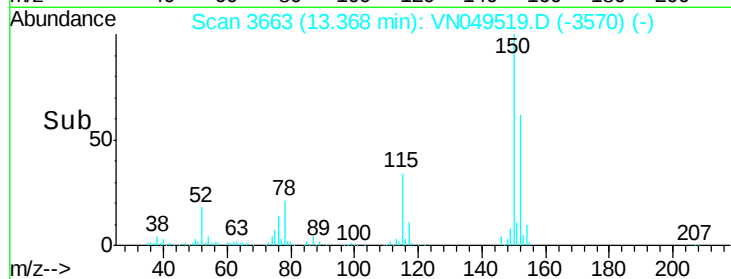
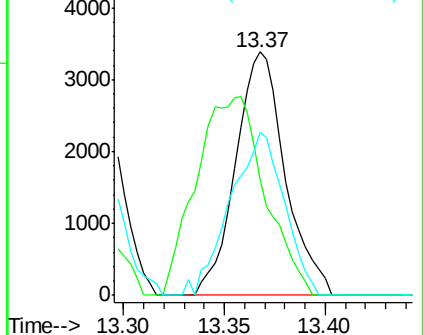
148 72.9 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 0.28 ug/l

RT: 13.62 min Scan# 3741

Delta R.T. 0.00 min

Lab File: VN049519.D

Acq: 25 Jun 2018 18:55

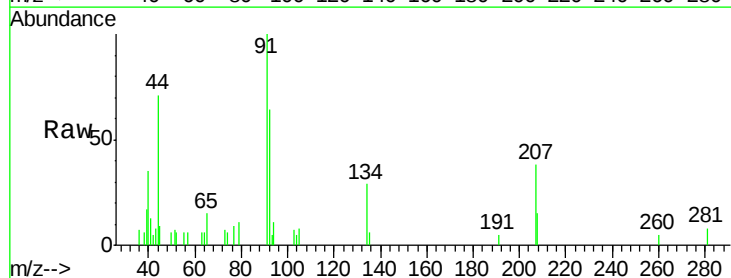
Tgt Ion: 91 Resp: 5046

Ion Ratio Lower Upper

91 100

92 61.6 25.1 75.4

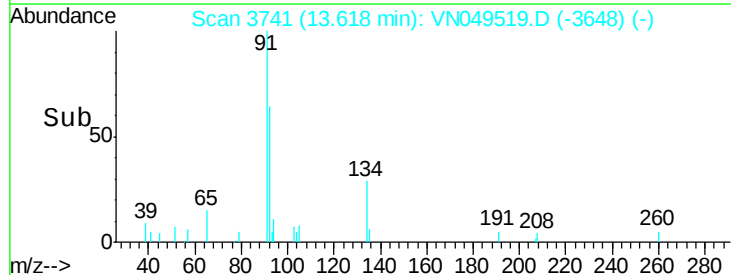
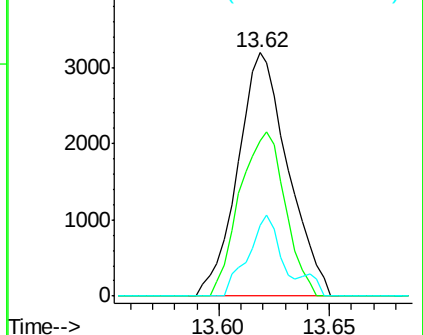
134 21.5 12.0 36.0

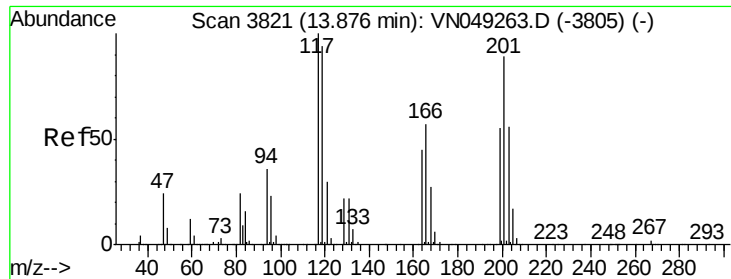


Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: Below Cal

RT: 13.88 min Scan# 3823

Delta R.T. 0.01 min

Lab File: VN049519.D

Acq: 25 Jun 2018 18:55

Instrument :

MSVOA_N

ClientSampleId :

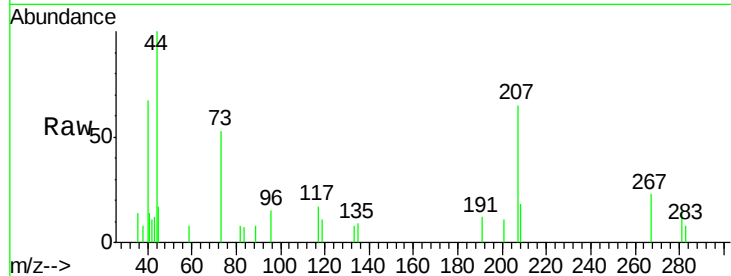
PB110537ZHE#04

Tot Ion:117 Resp: 739

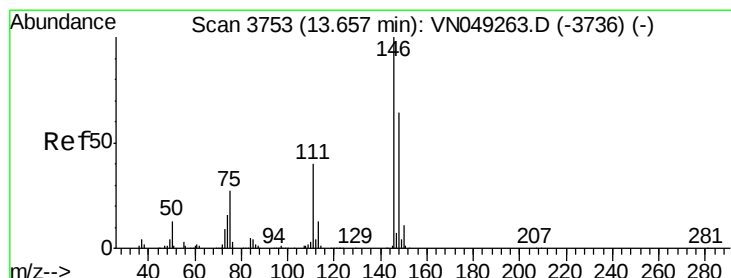
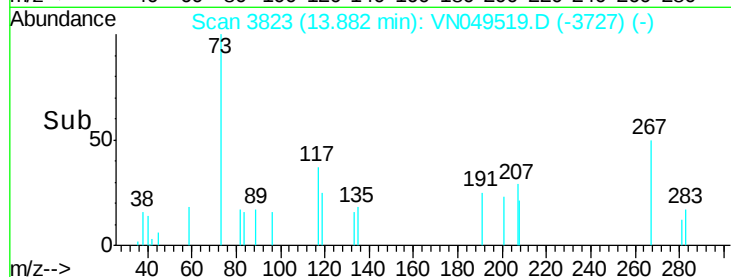
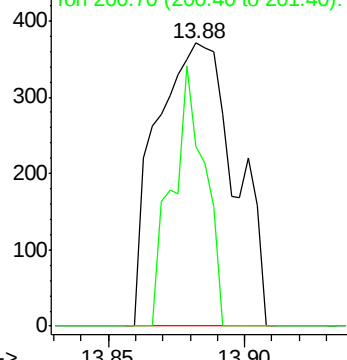
Ion Ratio Lower Upper

117 100

201 38.2 40.1 120.2#



Abundance Ion 116.80 (116.50 to 117.50): V



#91

1,2-Dichlorobenzene

Concen: 0.38 ug/l

RT: 13.66 min Scan# 3754

Delta R.T. 0.00 min

Lab File: VN049519.D

Acq: 25 Jun 2018 18:55

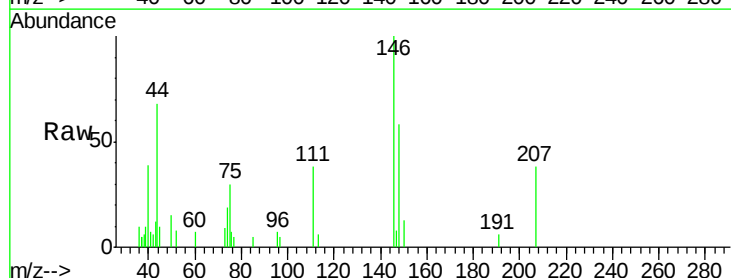
Tgt Ion:146 Resp: 4855

Ion Ratio Lower Upper

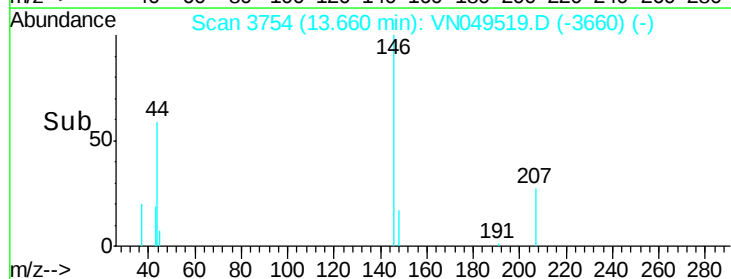
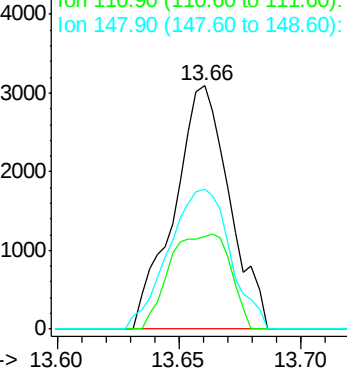
146 100

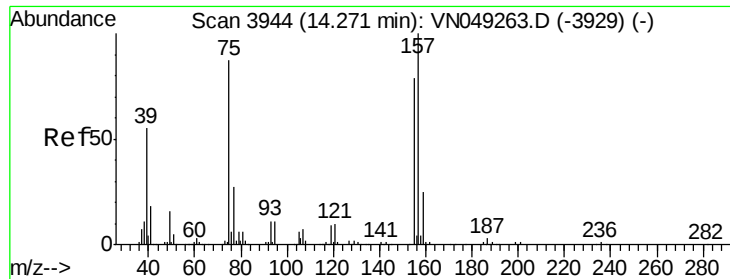
111 43.1 20.8 62.2

148 64.1 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.12 ug/l

RT: 14.26 min Scan# 3942

Delta R.T. -0.01 min

Lab File: VN049519.D

Acq: 25 Jun 2018 18:55

Instrument :

MSVOA_N

ClientSampleId :

PB110537ZHE#04

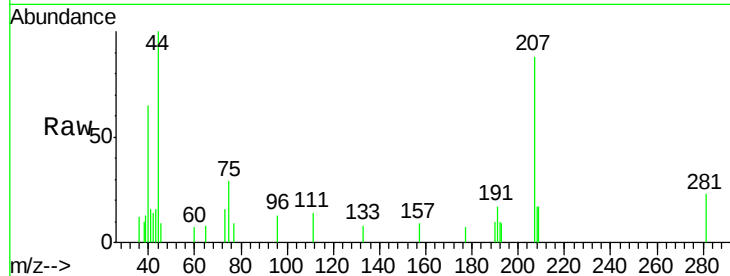
Tot Ion: 75 Resp: 1167

Ion Ratio Lower Upper

75 100

155 18.3 38.8 116.3#

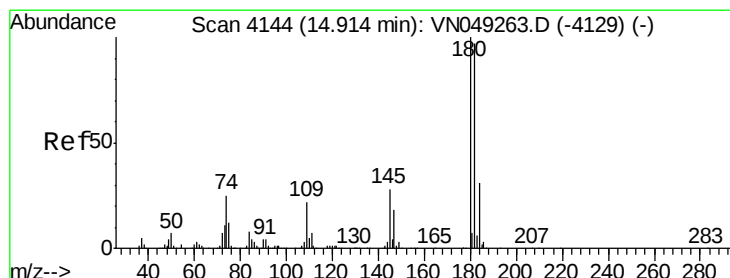
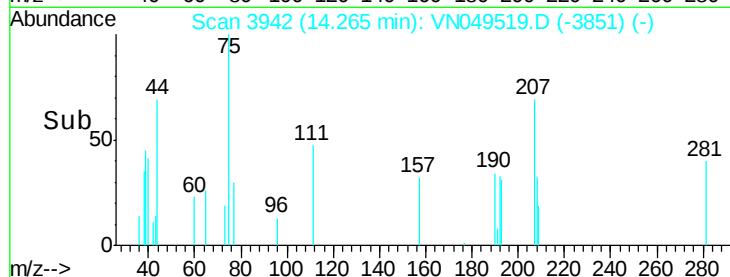
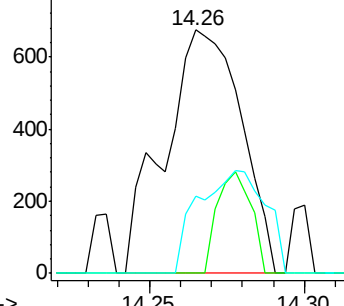
157 36.8 51.0 153.1#



Abundance Ion 74.90 (74.60 to 75.60): VN049519.D (-3851) (-)

Ion 154.80 (154.50 to 155.50): VN049519.D (-3851) (-)

Ion 156.80 (156.50 to 157.50): VN049519.D (-3851) (-)



#93

1,2,4-Trichlorobenzene

Concen: 5.89 ug/l

RT: 14.92 min Scan# 4145

Delta R.T. 0.00 min

Lab File: VN049519.D

Acq: 25 Jun 2018 18:55

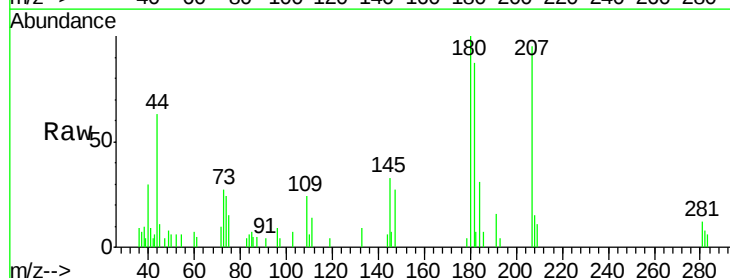
Tgt Ion: 180 Resp: 7439

Ion Ratio Lower Upper

180 100

182 94.0 46.9 140.8

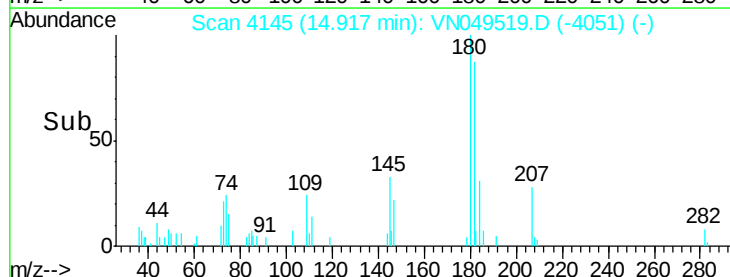
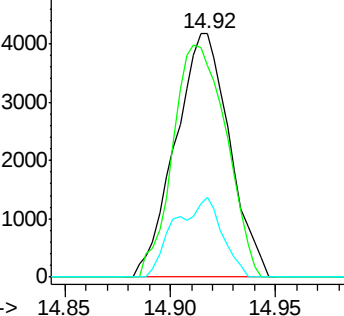
145 28.6 14.7 44.1

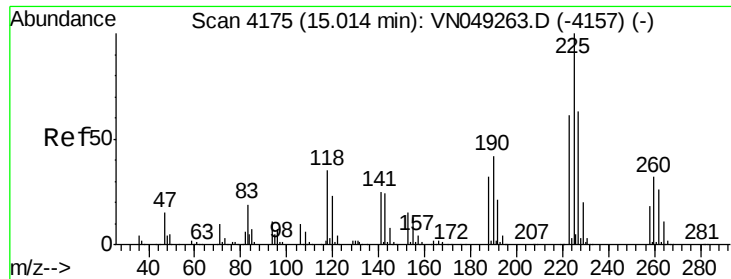


Abundance Ion 179.80 (179.50 to 180.50): VN049519.D (-4051) (-)

Ion 181.80 (181.50 to 182.50): VN049519.D (-4051) (-)

Ion 144.80 (144.50 to 145.50): VN049519.D (-4051) (-)





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4175

Delta R.T. 0.00 min

Lab File: VN049519.D

Acq: 25 Jun 2018 18:55

Instrument :

MSVOA_N

ClientSampleId :

PB110537ZHE#04

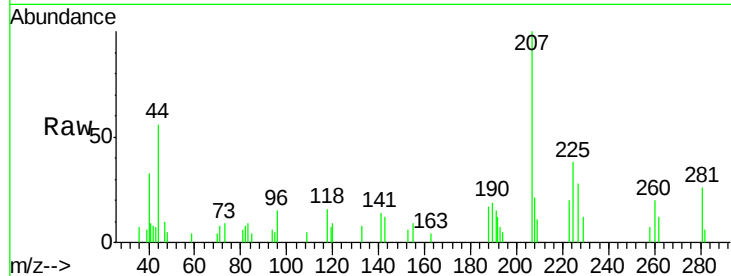
Tot Ion:225 Resp: 2283

Ion Ratio Lower Upper

225 100

223 71.9 32.1 96.3

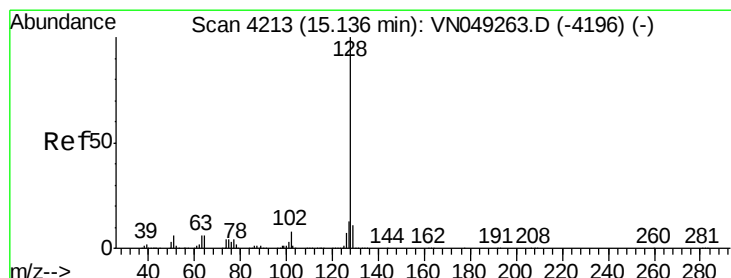
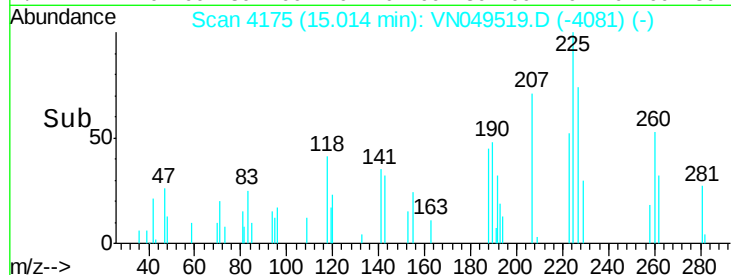
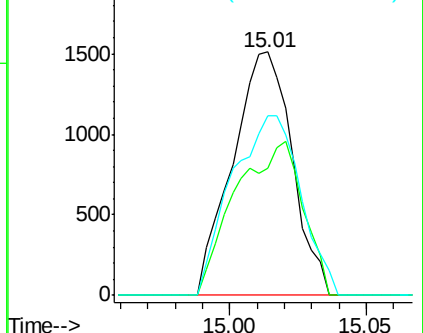
227 85.6 31.8 95.3



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: 3.67 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049519.D

Acq: 25 Jun 2018 18:55

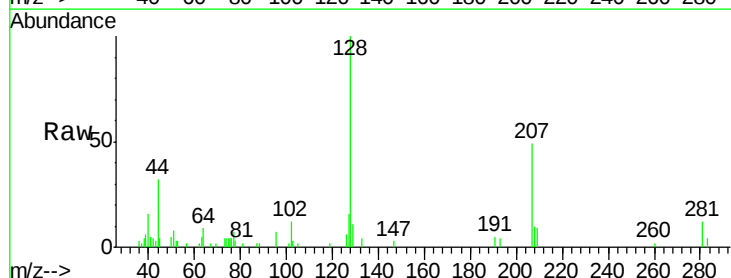
Tgt Ion:128 Resp: 15168

Ion Ratio Lower Upper

128 100

127 16.3 10.6 16.0#

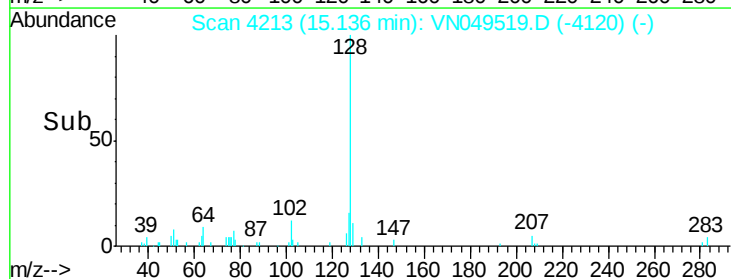
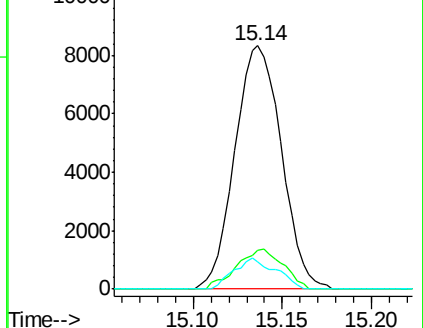
129 11.4 8.5 12.7

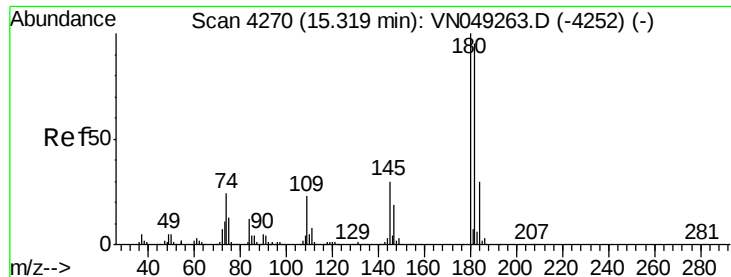


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

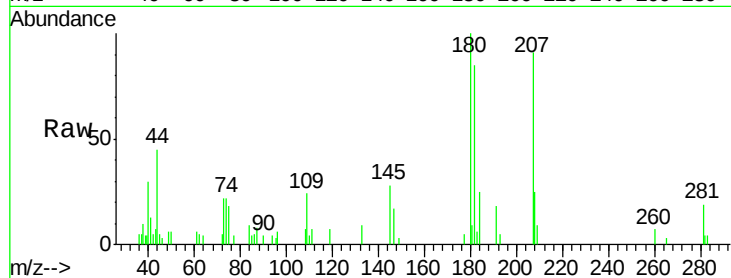




#96
 1,2,3-Trichlorobenzene
 Concen: 4.78 ug/l
 RT: 15.32 min Scan# 4270
 Delta R.T. 0.00 min
 Lab File: VN049519.D
 Acq: 25 Jun 2018 18:55

Instrument :
 MSVOA_N
 ClientSampleId :
 PB110537ZHE#04

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.3	141.8
145	33.9	15.6	46.7



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

