

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071318\
 Data File : VN049827.D
 Acq On : 14 Jul 2018 5:05
 Operator : MD\SY
 Sample : J3975-14
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SV30518L

Quant Time: Jul 14 05:26:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 12 15:51:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1189986	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1963765	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1585782	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	553484	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	812050	58.66	ug/l	0.00
Spiked Amount			Recovery	=	117.32%	
35) Dibromofluoromethane	7.59	113	757761	51.19	ug/l	0.00
Spiked Amount			Recovery	=	102.38%	
50) Toluene-d8	10.09	98	2605933	51.43	ug/l	0.00
Spiked Amount			Recovery	=	102.86%	
62) 4-Bromofluorobenzene	12.40	95	690374	38.15	ug/l	0.00
Spiked Amount			Recovery	=	76.30%	

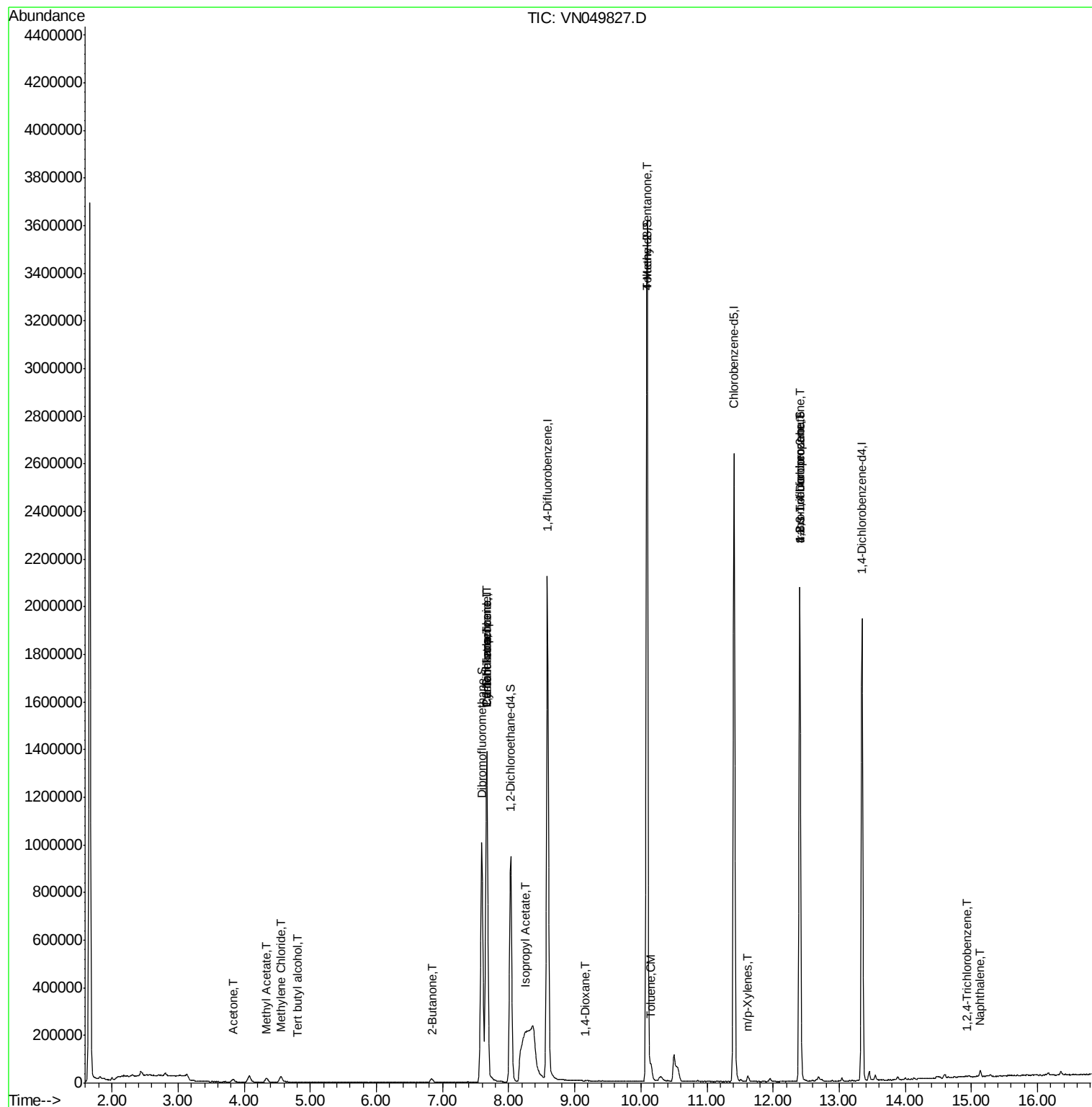
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	2119	Below Cal	#	79
4) Vinyl Chloride	2.18	62	305	Below Cal	#	14
5) Bromomethane	2.57	94	1181	Below Cal	#	51
11) Tert butyl alcohol	4.81	59	366	0.40	ug/l	# 72
16) Acetone	3.82	43	19651	3.72	ug/l	92
17) Carbon Disulfide	4.05	76	7751	Below Cal		100
18) Methyl Acetate	4.34	43	25554	1.49	ug/l	# 79
20) Methylene Chloride	4.56	84	17131	0.29	ug/l	89
25) 2-Butanone	6.85	43	2975	0.55	ug/l	# 78
31) Cyclohexane	7.67	56	23212	0.83	ug/l	# 1
36) 1,1-Dichloropropene	7.67	75	86418	3.82	ug/l	# 48
38) Carbon Tetrachloride	7.67	117	106854	4.52	ug/l	# 17
43) Isopropyl Acetate	8.25	43	373834	15.53	ug/l	# 62
49) 1,4-Dioxane	9.15	88	65	0.41	ug/l	# 1
51) 4-Methyl-2-Pentanone	10.09	43	11743	0.90	ug/l	# 1
52) Toluene	10.16	92	20109	0.50	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	1003	Below Cal	#	15
68) m/p-Xylenes	11.62	106	7722	0.30	ug/l	85
75) 1,1,2,2-Tetrachloroethane	12.43	83	64	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.40	75	337228	34.30	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.40	75	337228	110.76	ug/l	# 13
90) Hexachloroethane	13.88	117	279	Below Cal	#	4
92) 1,2-Dibromo-3-Chloropropan	14.27	75	30	Below Cal	#	1
93) 1,2,4-Trichlorobenzene	14.92	180	110	2.90	ug/l	# 44
95) Naphthalene	15.13	128	20903	4.81	ug/l	99

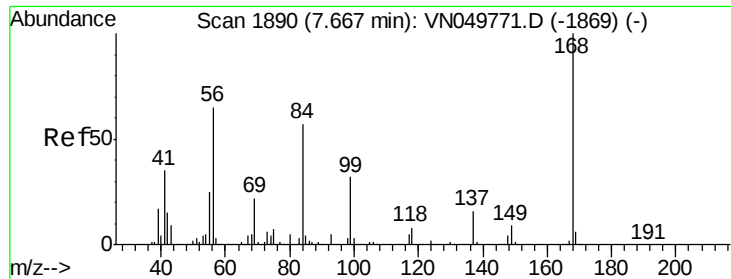
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN071318\
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Misc : 5.00mL/MSVOA N/WATER
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Instrument :
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ClientSampleId :
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Quant Time: Jul 14 05:26:33 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N071218W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 12 15:51:38 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN049827.D

Acq: 14 Jul 2018 5:05

Instrument :

MSVOA_N

ClientSampled :

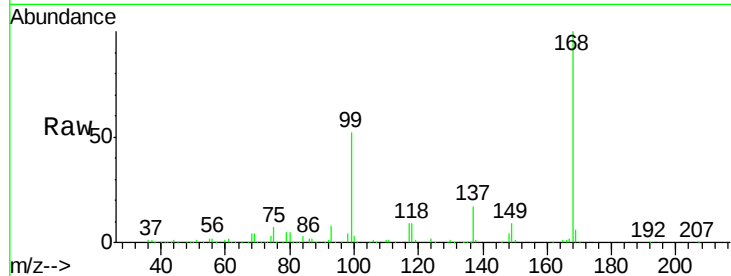
SV30518L

Tot Ion:168 Resp: 1189986

Ion Ratio Lower Upper

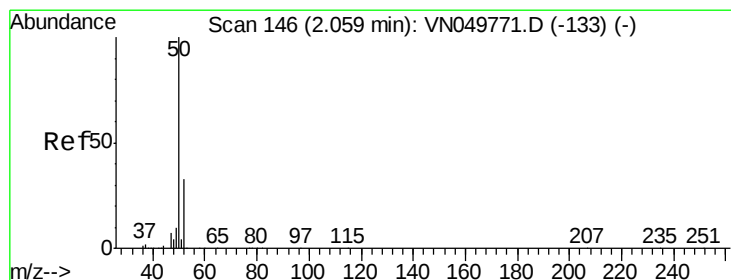
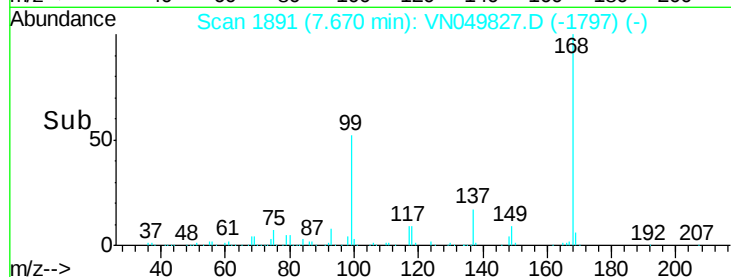
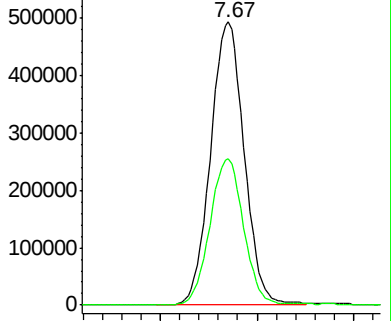
168 100

99 51.8 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN049827.D

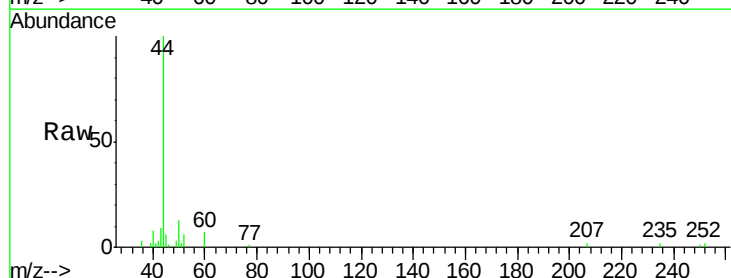
Acq: 14 Jul 2018 5:05

Tgt Ion: 50 Resp: 2119

Ion Ratio Lower Upper

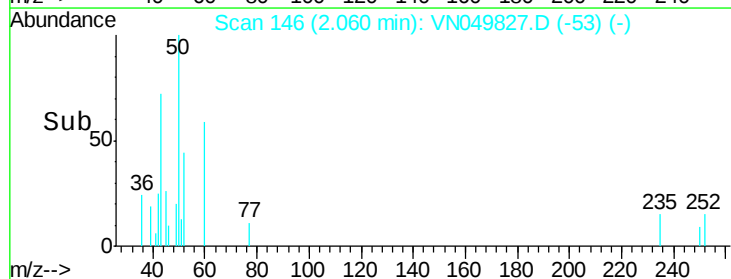
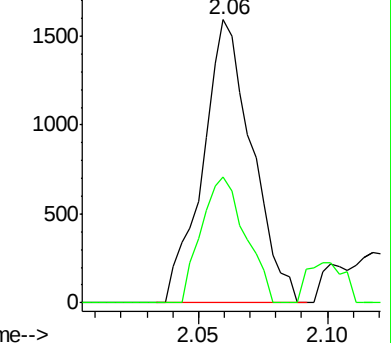
50 100

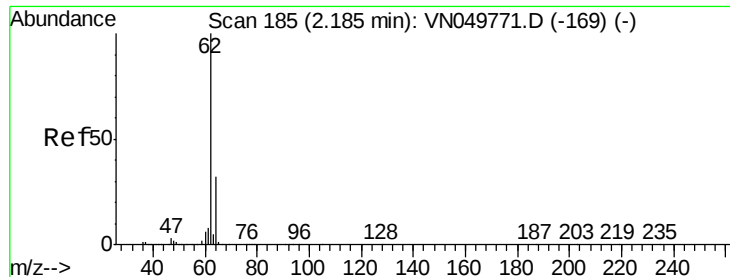
52 44.5 26.1 39.1#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO





#4

Vinyl Chloride

Concen: Below Cal

RT: 2.18 min Scan# 182

Delta R.T. -0.01 min

Lab File: VN049827.D

Acq: 14 Jul 2018 5:05

Instrument :

MSVOA_N

ClientSampleID :

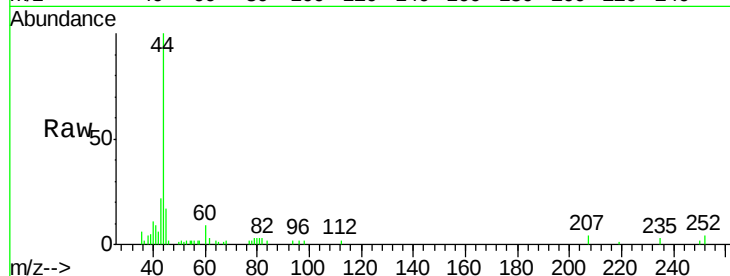
SV30518L

Tot Ion: 62 Resp: 305

Ion Ratio Lower Upper

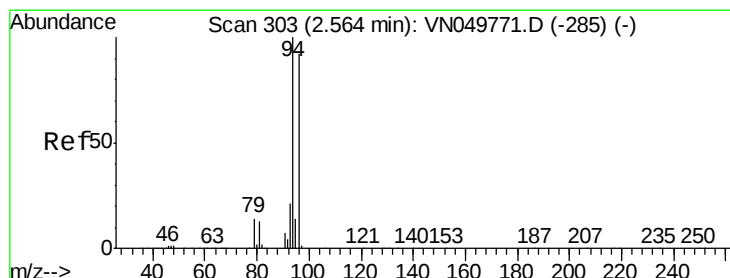
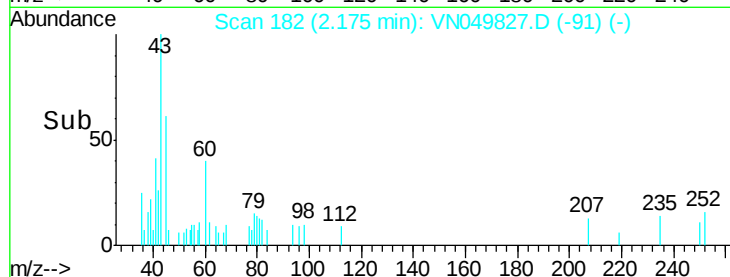
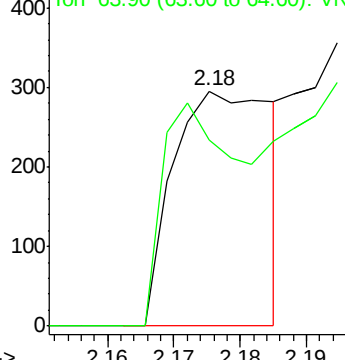
62 100

64 79.3 25.4 38.0#



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0



#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 306

Delta R.T. 0.01 min

Lab File: VN049827.D

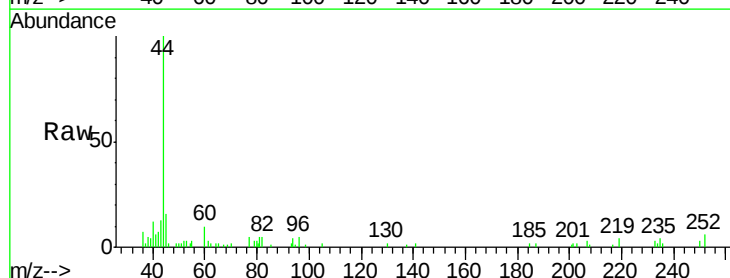
Acq: 14 Jul 2018 5:05

Tgt Ion: 94 Resp: 1181

Ion Ratio Lower Upper

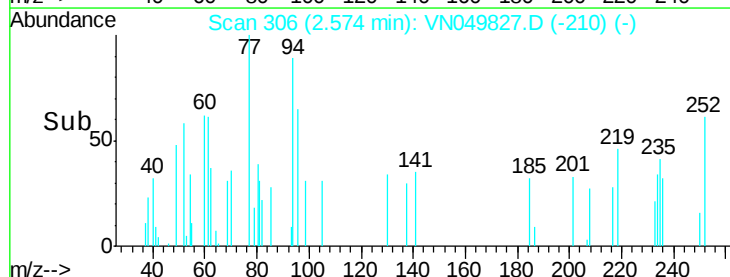
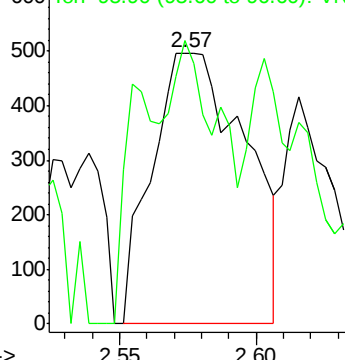
94 100

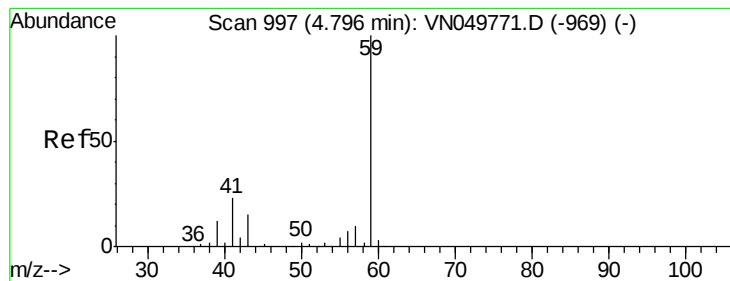
96 47.5 75.7 113.5#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0





#11

Tert butyl alcohol

Concen: 0.40 ug/l

RT: 4.81 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VN049827.D

Acq: 14 Jul 2018 5:05

Instrument :

MSVOA_N

ClientSampled :

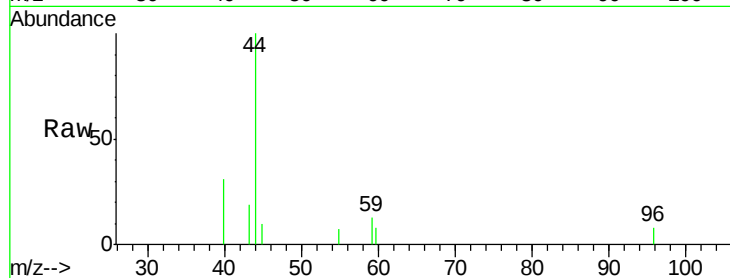
SV30518L

Tot Ion: 59 Resp: 366

Ion Ratio Lower Upper

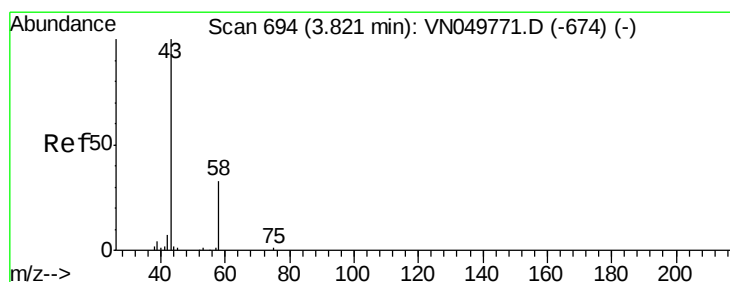
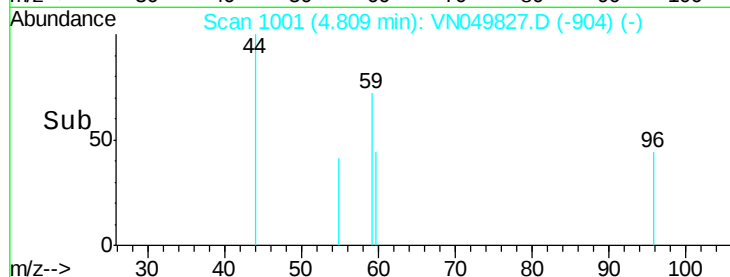
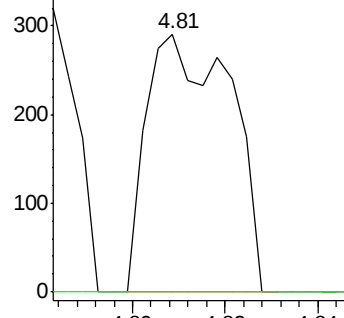
59 100

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



#16

Acetone

Concen: 3.72 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN049827.D

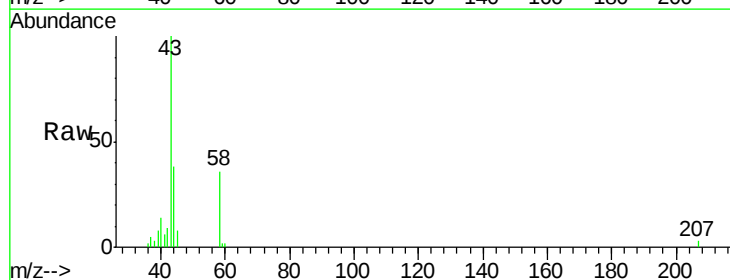
Acq: 14 Jul 2018 5:05

Tgt Ion: 43 Resp: 19651

Ion Ratio Lower Upper

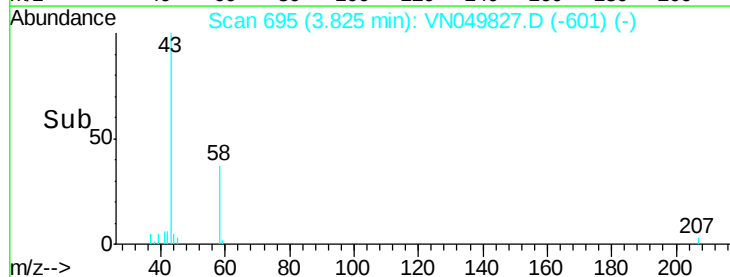
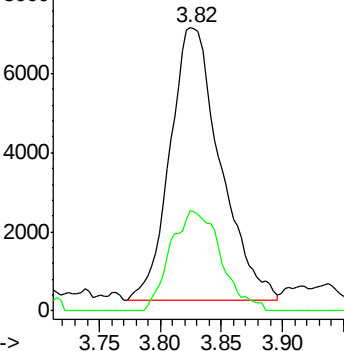
43 100

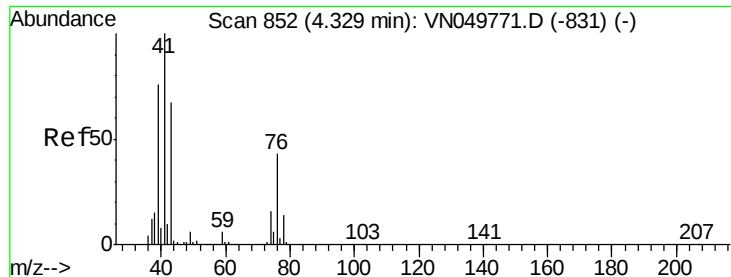
58 37.0 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

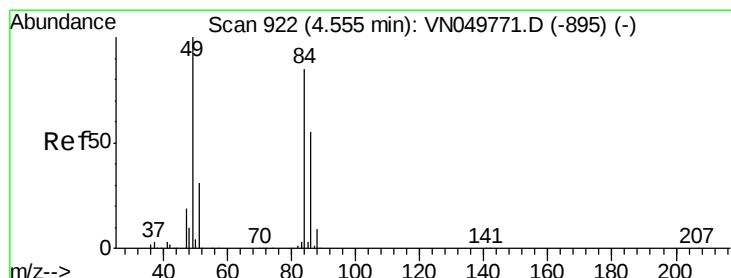
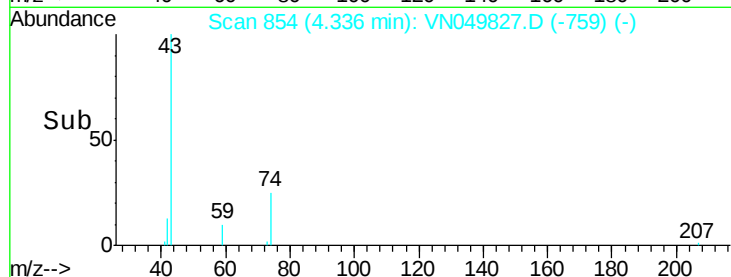
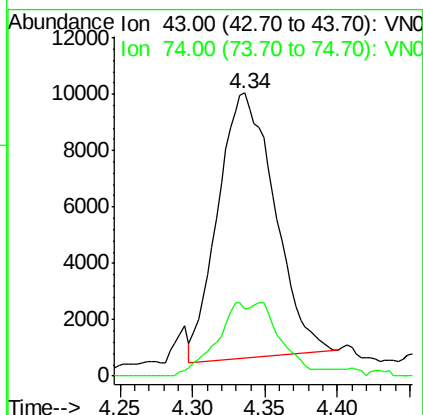
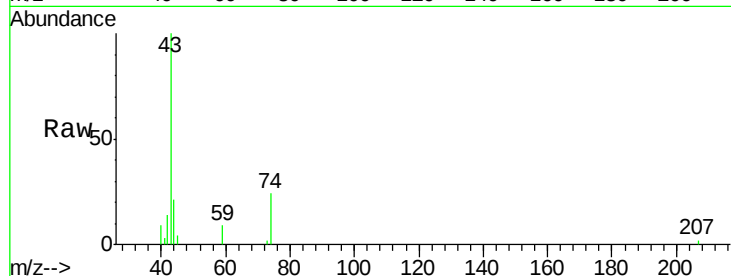




#18
Methvl Acetate
Concen: 1.49 ug/l
RT: 4.34 min Scan# 854
Delta R.T. 0.01 min
Lab File: VN049827.D
Acq: 14 Jul 2018 5:05

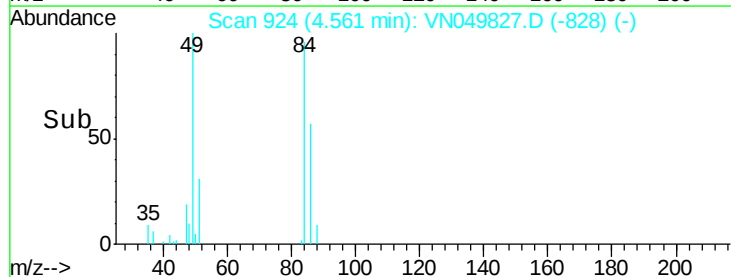
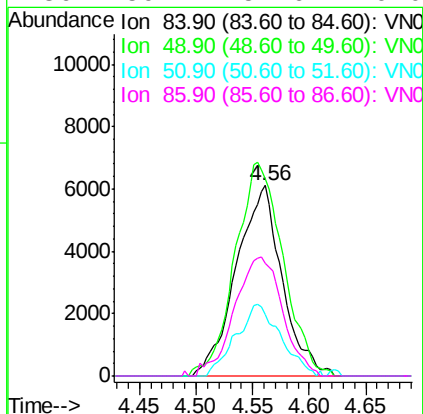
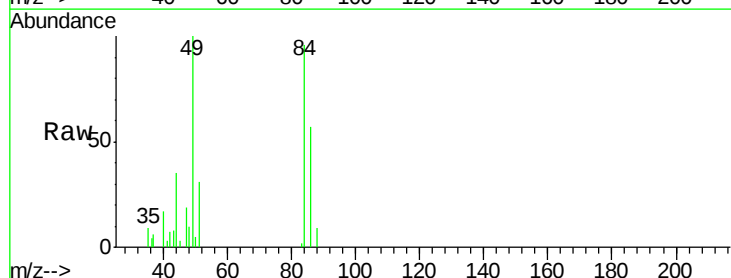
Instrument :
MSVOA_N
ClientSampled :
SV30518L

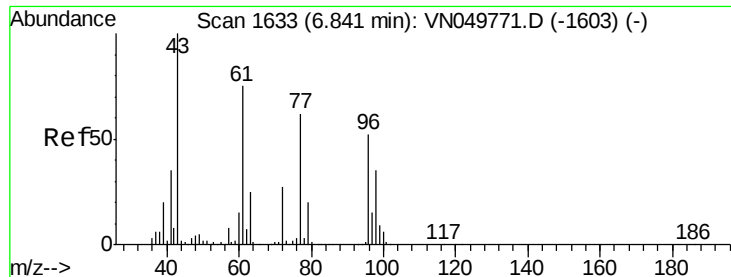
Tot Ion: 43 Resp: 25554
Ion Ratio Lower Upper
43 100
74 14.2 19.8 29.8#



#20
Methylene Chloride
Concen: 0.29 ug/l
RT: 4.56 min Scan# 924
Delta R.T. 0.01 min
Lab File: VN049827.D
Acq: 14 Jul 2018 5:05

Tgt Ion: 84 Resp: 17131
Ion Ratio Lower Upper
84 100
49 103.8 95.4 143.2
51 32.6 28.4 42.6
86 59.2 52.6 79.0





#25

2-Butanone

Concen: 0.55 ug/l

RT: 6.85 min Scan# 1636

Delta R.T. 0.01 min

Lab File: VN049827.D

Acq: 14 Jul 2018 5:05

Instrument :

MSVOA_N

ClientSampleId :

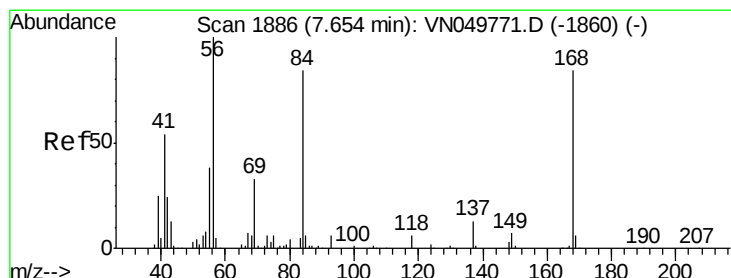
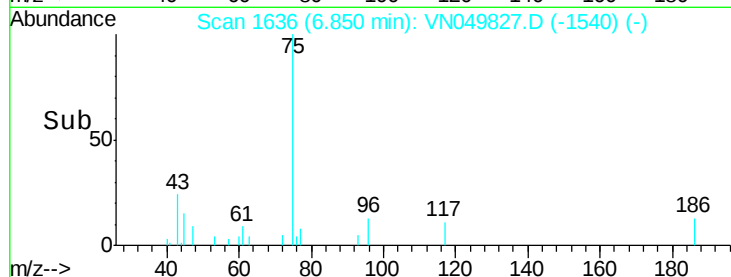
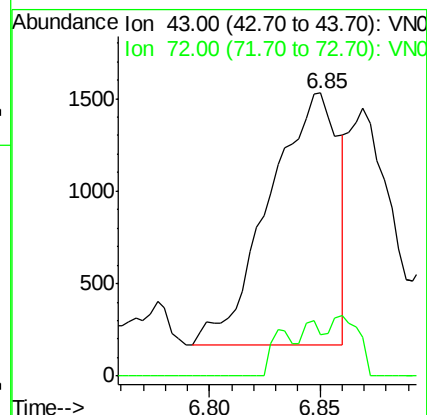
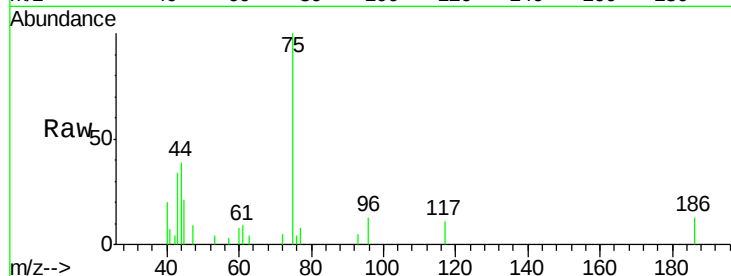
SV30518L

Tot Ion: 43 Resp: 2975

Ion Ratio Lower Upper

43 100

72 16.3 22.1 33.1#



#31

Cyclohexane

Concen: 0.83 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.02 min

Lab File: VN049827.D

Acq: 14 Jul 2018 5:05

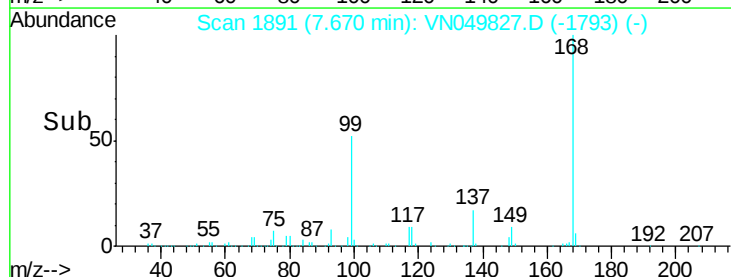
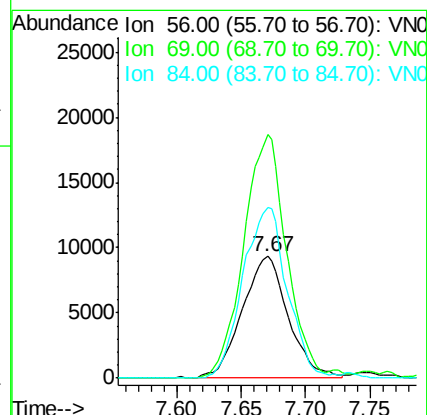
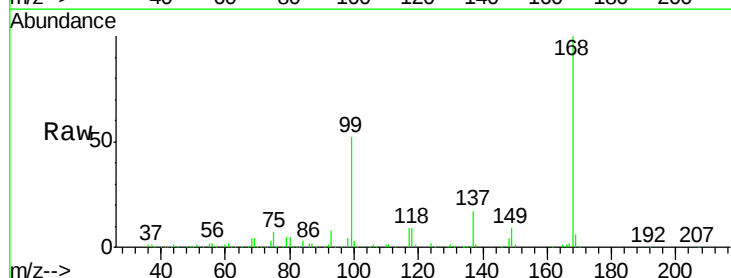
Tgt Ion: 56 Resp: 23212

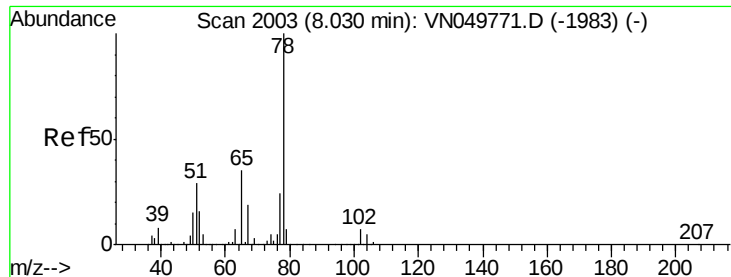
Ion Ratio Lower Upper

56 100

69 199.7 26.6 40.0#

84 140.1 69.0 103.6#

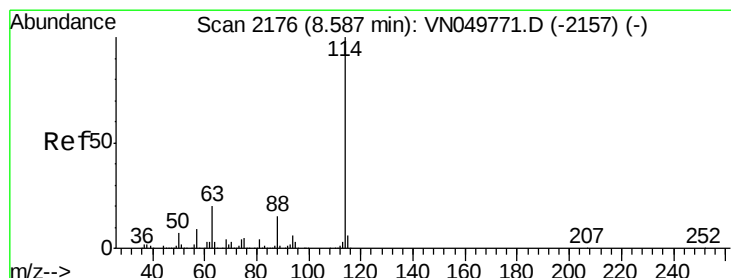
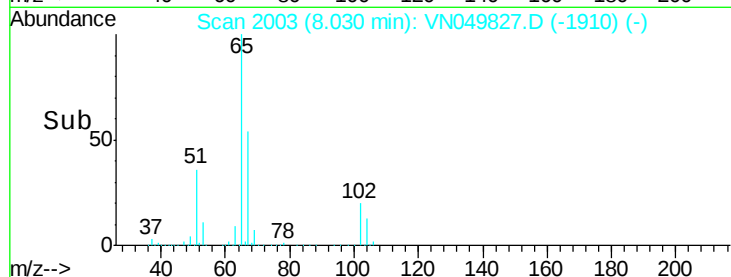
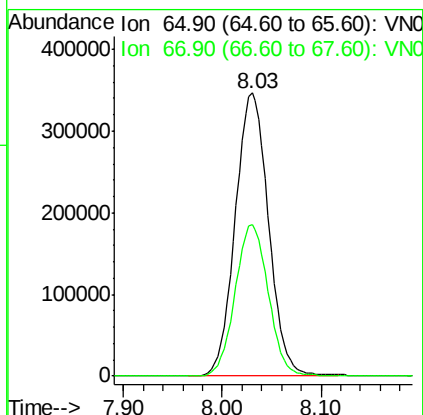
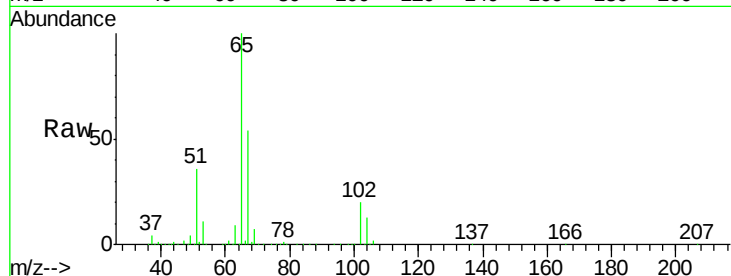




#33
 1,2-Dichloroethane-d4
 Concen: 58.66 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN049827.D
 Acq: 14 Jul 2018 5:05

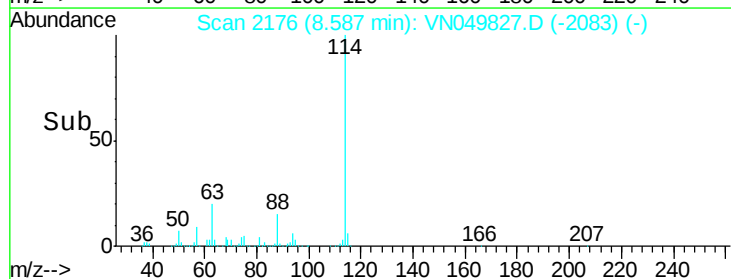
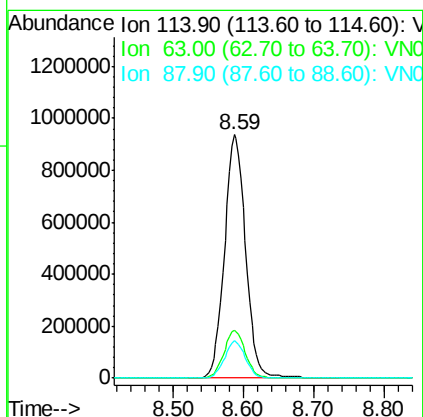
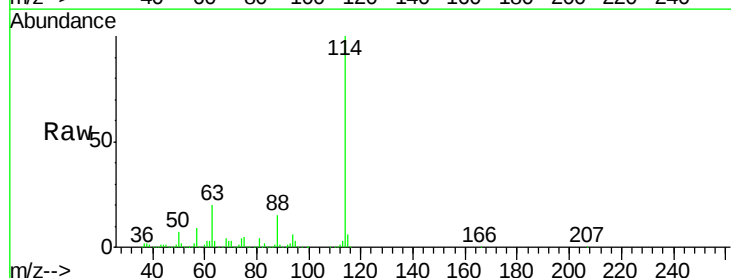
Instrument :
 MSVOA_N
 ClientSampleId :
 SV30518L

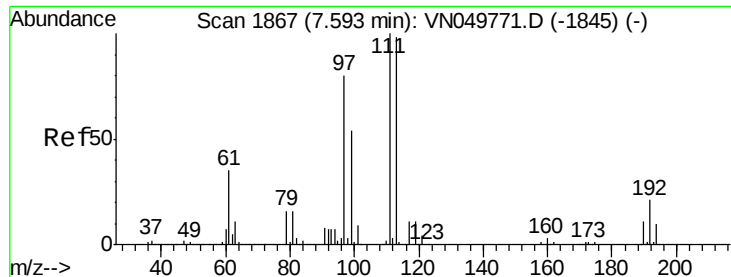
Tot Ion: 65 Resp: 812050
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049827.D
 Acq: 14 Jul 2018 5:05

Tgt Ion: 114 Resp: 1963765
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.8
 88 15.3 0.0 30.6

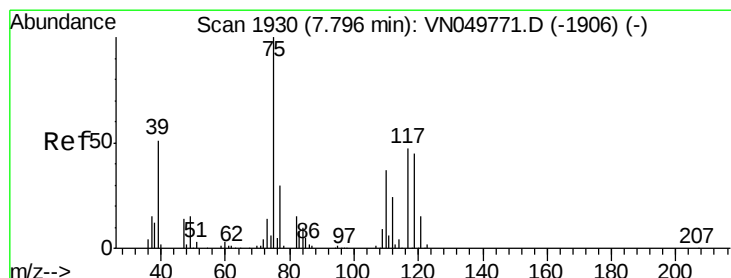
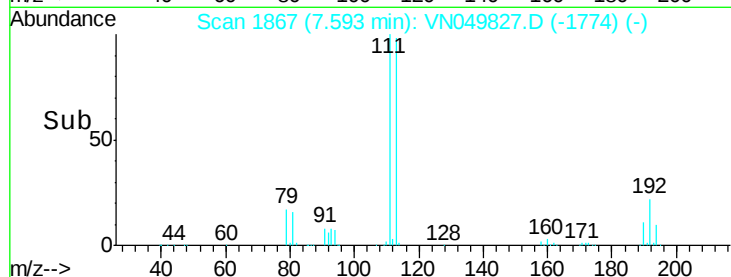
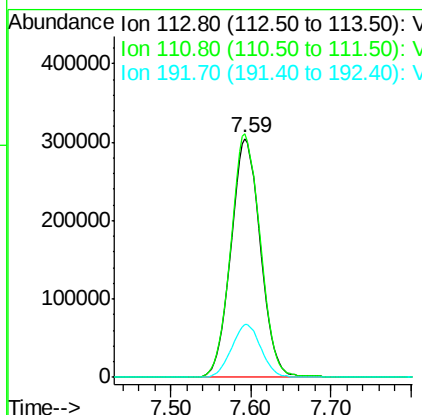
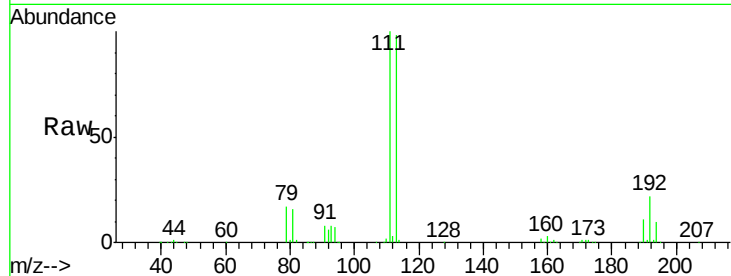




#35
 Dibromofluoromethane
 Concen: 51.19 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049827.D
 Acq: 14 Jul 2018 5:05

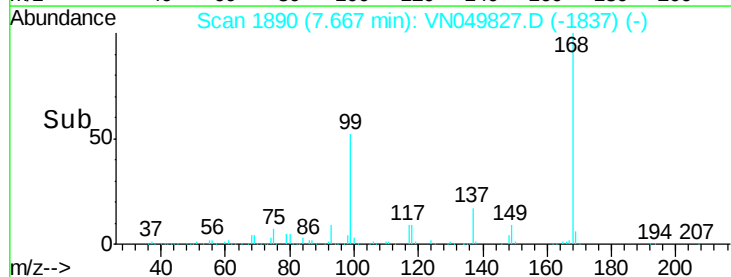
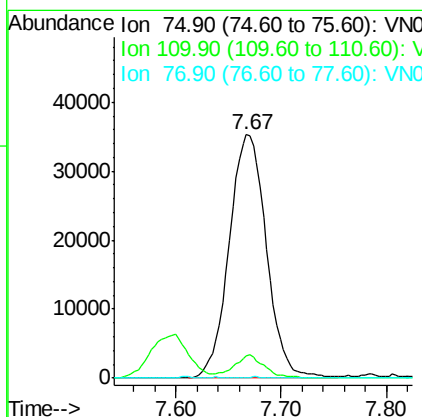
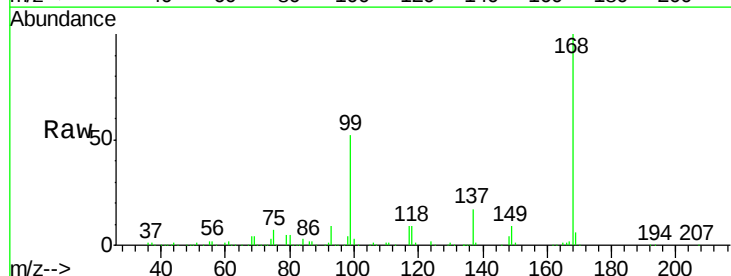
Instrument :
 MSVOA_N
 ClientSampleId :
 SV30518L

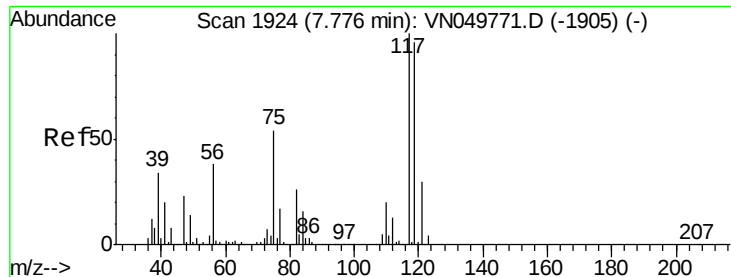
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.8	81.8	122.8
192	22.3	17.8	26.6



#36
 1,1-Dichloropropene
 Concen: 3.82 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN049827.D
 Acq: 14 Jul 2018 5:05

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.9	18.1	54.4#
77	0.0	24.9	37.3#





#38

Carbon Tetrachloride

Concen: 4.52 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. -0.11 min

Lab File: VN049827.D

Acq: 14 Jul 2018 5:05

Instrument :

MSVOA_N

ClientSampleId :

SV30518L

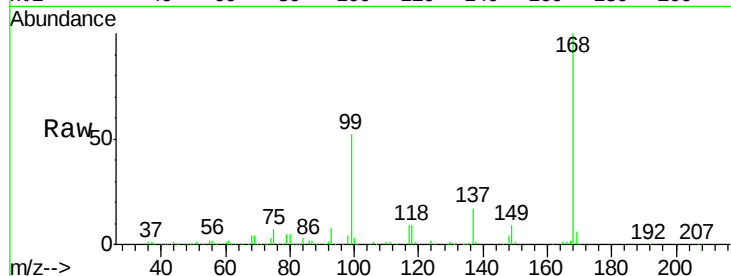
Tot Ion:117 Resp: 106854

Ion Ratio Lower Upper

117 100

119 6.6 77.2 115.8#

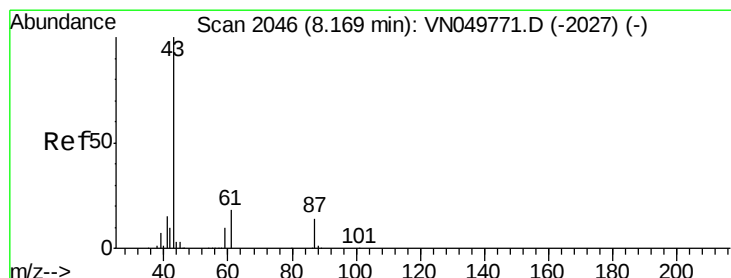
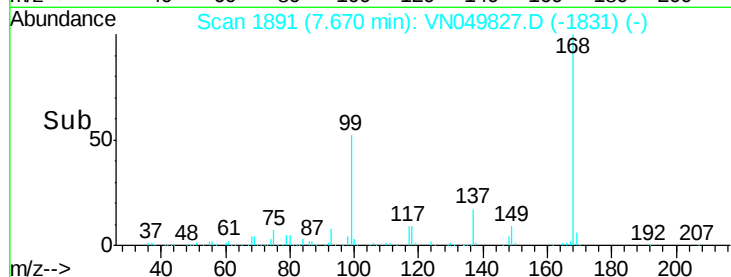
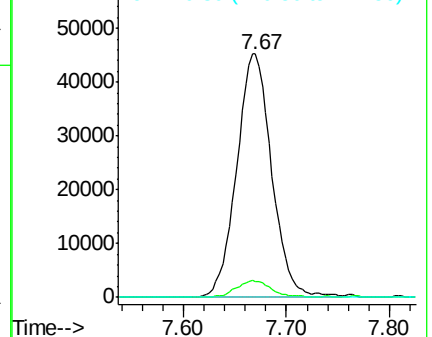
121 0.0 25.0 37.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 15.53 ug/l

RT: 8.25 min Scan# 2070

Delta R.T. 0.08 min

Lab File: VN049827.D

Acq: 14 Jul 2018 5:05

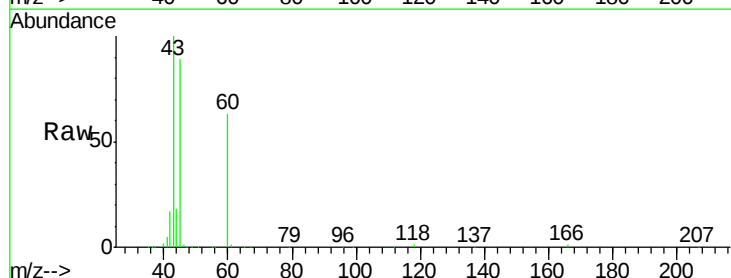
Tgt Ion: 43 Resp: 373834

Ion Ratio Lower Upper

43 100

61 0.0 14.9 22.3#

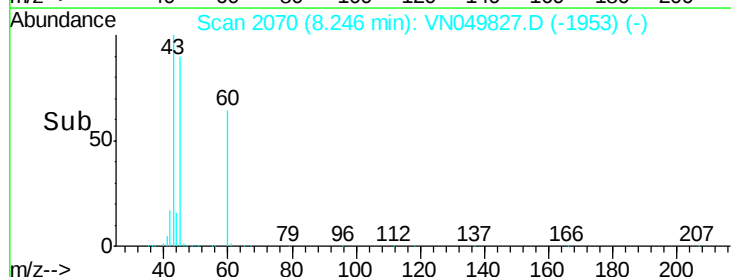
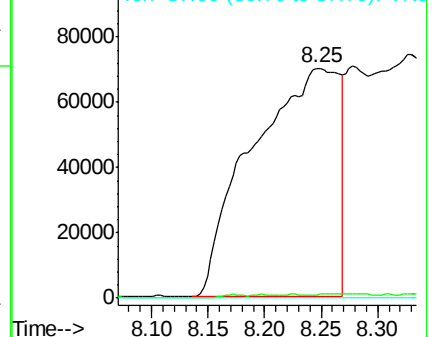
87 0.0 10.0 15.0#

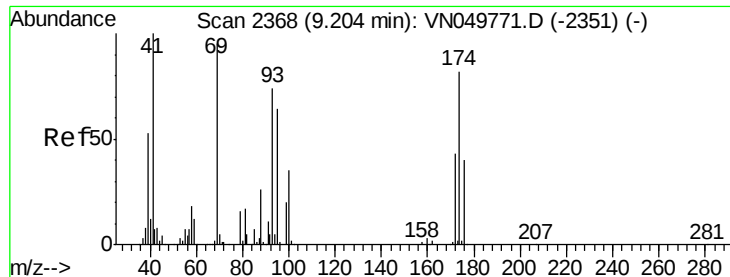


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#49

1,4-Dioxane

Concen: 0.41 ug/l

RT: 9.15 min Scan# 2352

Delta R.T. -0.05 min

Lab File: VN049827.D

Acq: 14 Jul 2018 5:05

Instrument :

MSVOA_N

ClientSampleId :

SV30518L

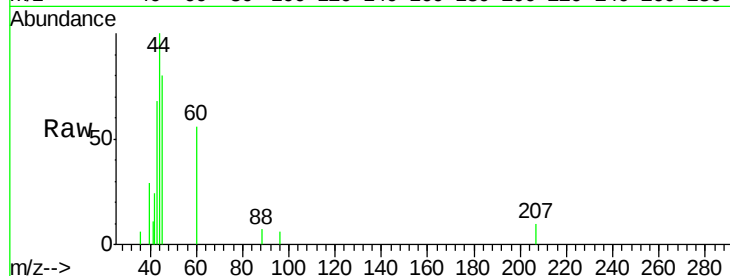
Tot Ion: 88 Resp: 65

Ion Ratio Lower Upper

88 100

43 656.9 25.1 37.7#

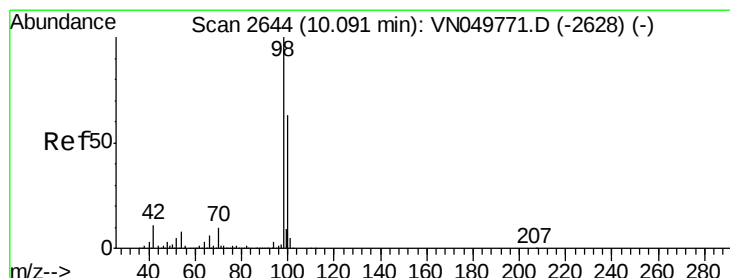
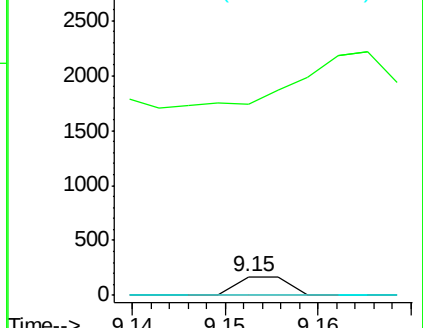
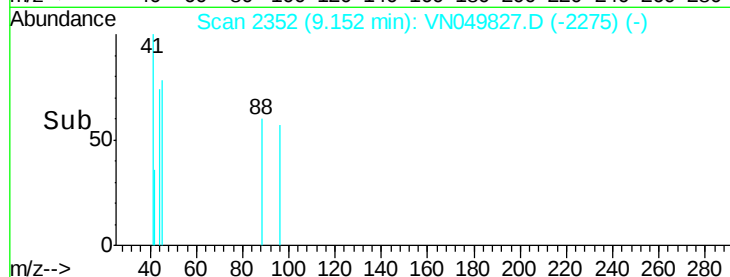
58 0.0 52.5 78.7#



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 51.43 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN049827.D

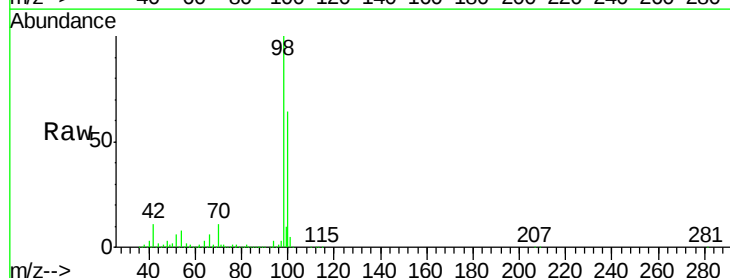
Acq: 14 Jul 2018 5:05

Tgt Ion: 98 Resp: 2605933

Ion Ratio Lower Upper

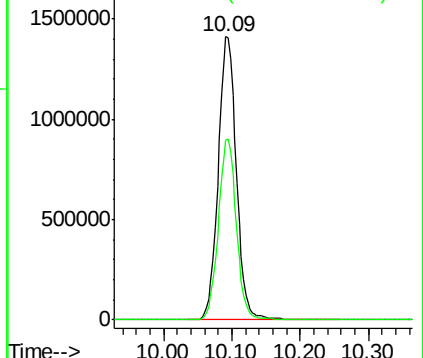
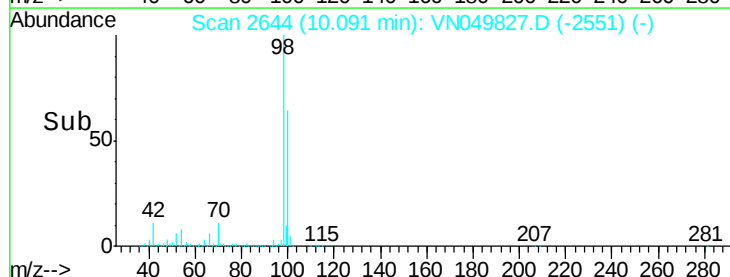
98 100

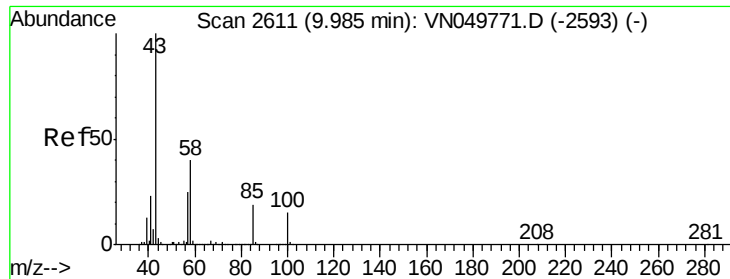
100 63.3 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 0.90 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.11 min

Lab File: VN049827.D

Acq: 14 Jul 2018 5:05

Instrument :

MSVOA_N

ClientSampled :

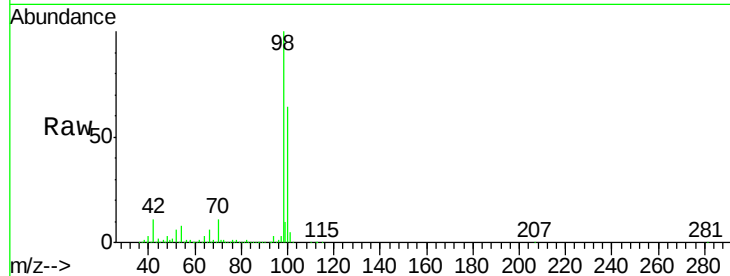
SV30518L

Tot Ion: 43 Resp: 11743

Ion Ratio Lower Upper

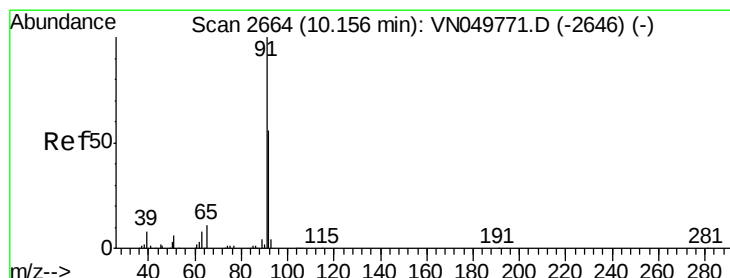
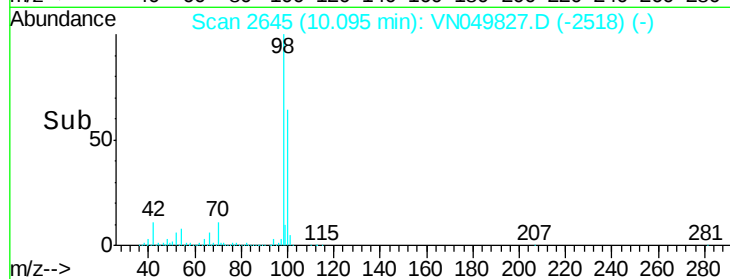
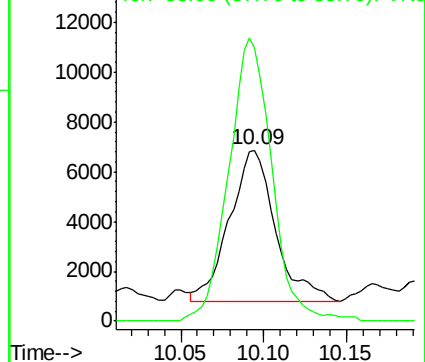
43 100

58 175.5 31.8 47.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 0.50 ug/l

RT: 10.16 min Scan# 2665

Delta R.T. 0.00 min

Lab File: VN049827.D

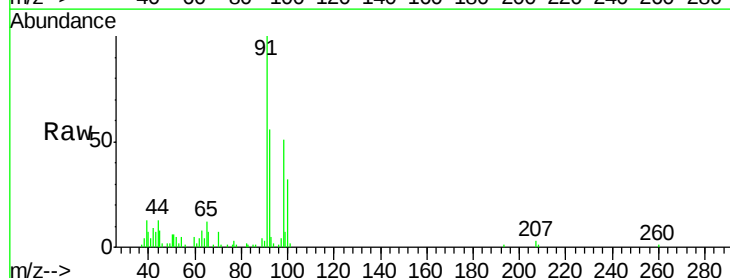
Acq: 14 Jul 2018 5:05

Tgt Ion: 92 Resp: 20109

Ion Ratio Lower Upper

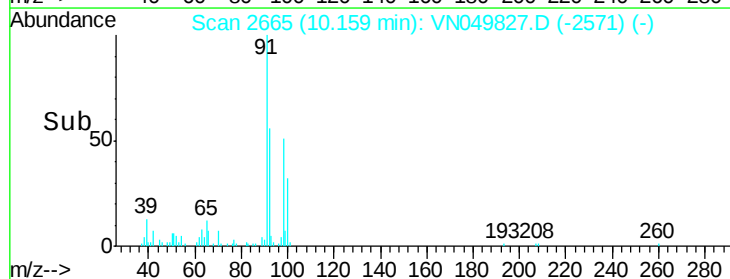
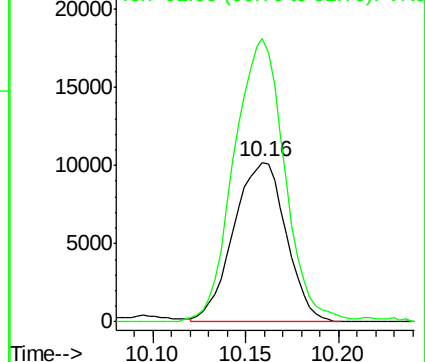
92 100

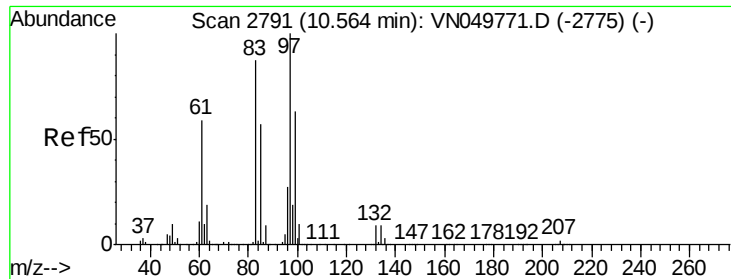
91 171.4 140.1 210.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#55

1,1,2-Trichloroethane

Concen: Below Cal

RT: 10.56 min Scan# 2789

Delta R.T. -0.01 min

Lab File: VN049827.D

Acq: 14 Jul 2018 5:05

Instrument :

MSVOA_N

ClientSampleId :

SV30518L

Tot Ion: 97 Resp: 1003

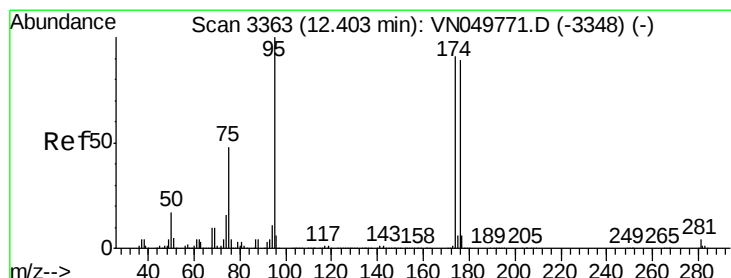
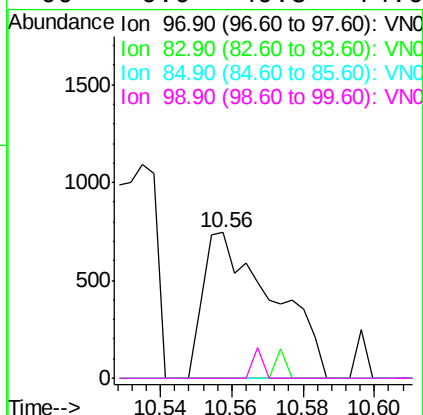
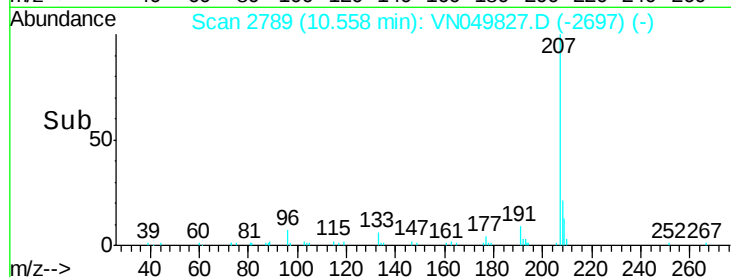
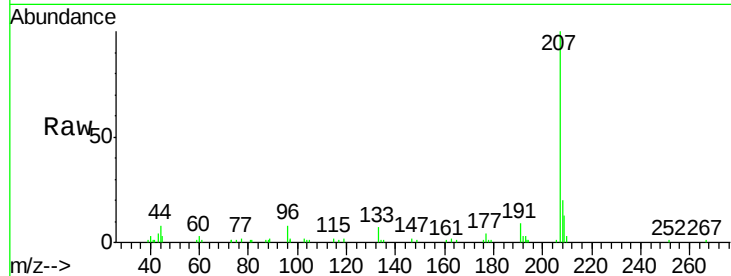
Ion Ratio Lower Upper

97 100

83 0.0 69.0 103.6#

85 0.0 44.9 67.3#

99 0.0 49.8 74.6#



#62

4-Bromofluorobenzene

Concen: 38.15 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049827.D

Acq: 14 Jul 2018 5:05

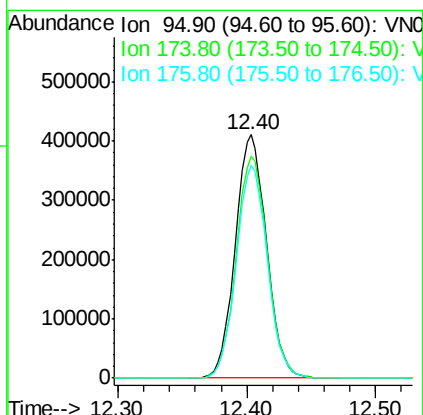
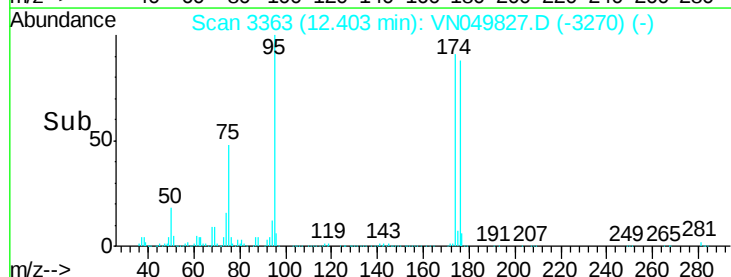
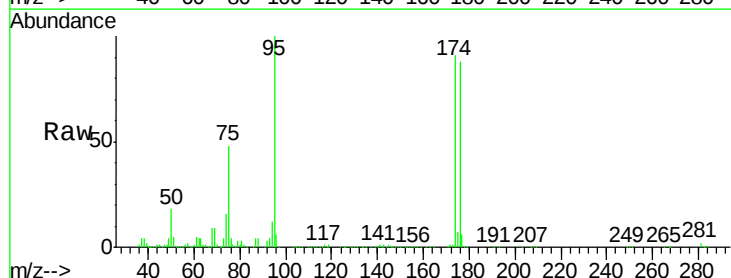
Tgt Ion: 95 Resp: 690374

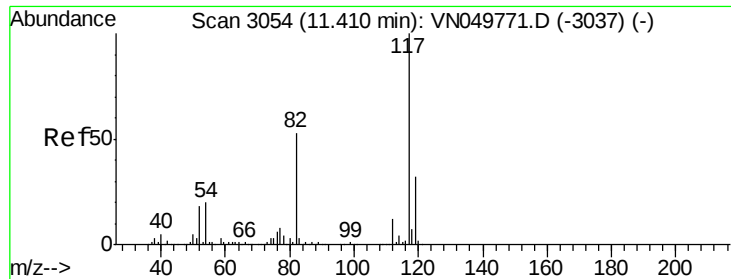
Ion Ratio Lower Upper

95 100

174 91.8 0.0 179.6

176 87.0 0.0 174.0

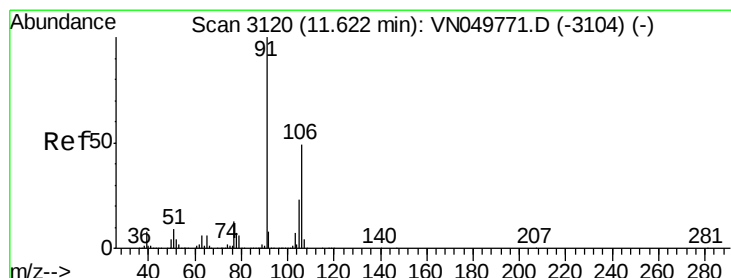
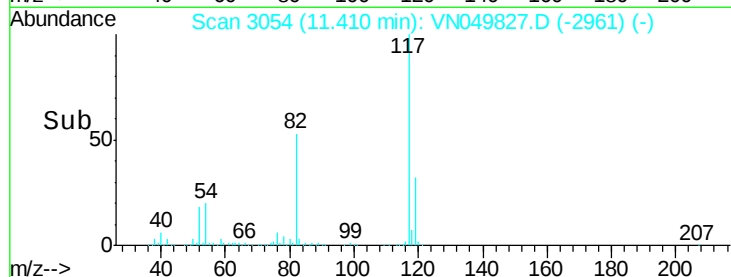
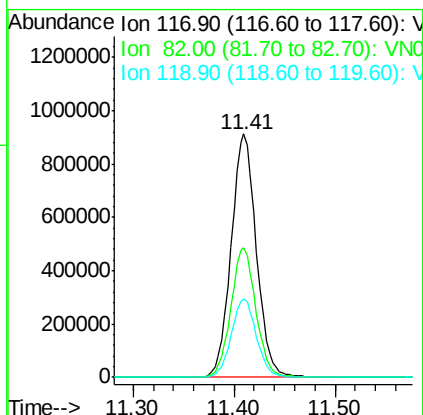
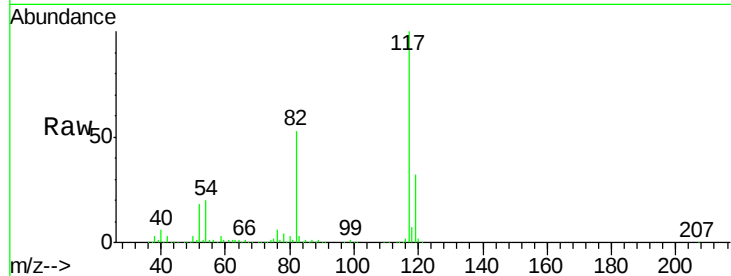




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049827.D
Acq: 14 Jul 2018 5:05

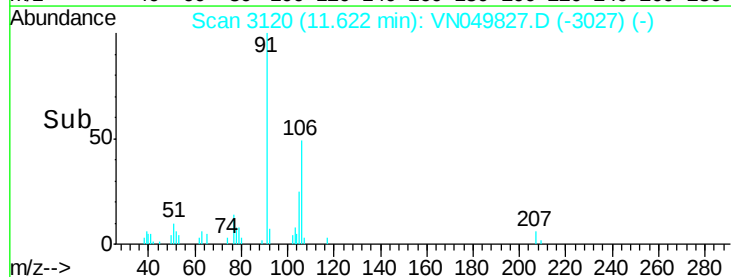
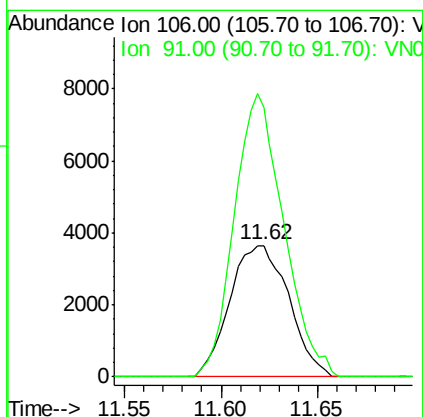
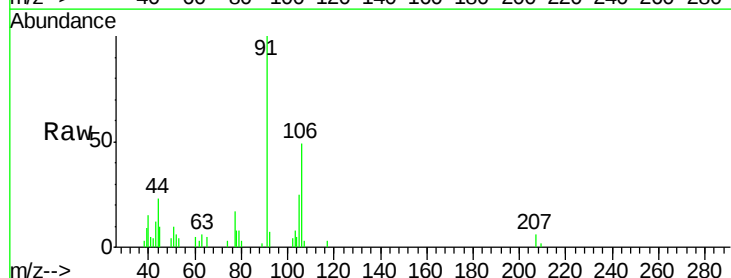
Instrument :
MSVOA_N
ClientSampleId :
SV30518L

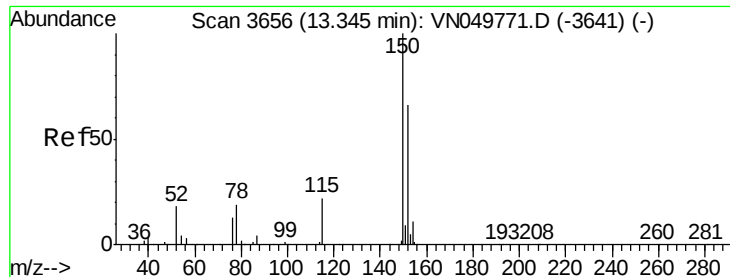
Tot Ion:117 Resp: 1585782
Ion Ratio Lower Upper
117 100
82 53.2 41.9 62.9
119 32.4 25.4 38.2



#68
m/p-Xylenes
Concen: 0.30 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN049827.D
Acq: 14 Jul 2018 5:05

Tgt Ion:106 Resp: 7722
Ion Ratio Lower Upper
106 100
91 181.0 163.4 245.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN049827.D

Acq: 14 Jul 2018 5:05

Instrument :

MSVOA_N

ClientSampleId :

SV30518L

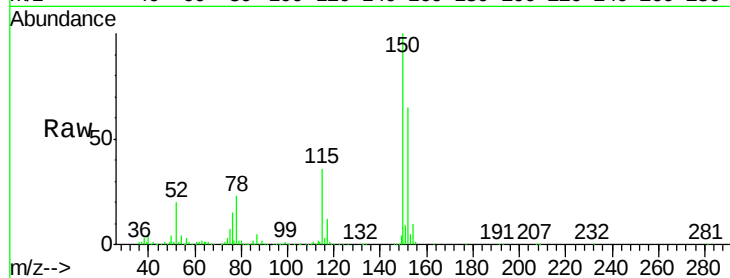
Tot Ion:152 Resp: 553484

Ion Ratio Lower Upper

152 100

115 55.8 28.1 84.2

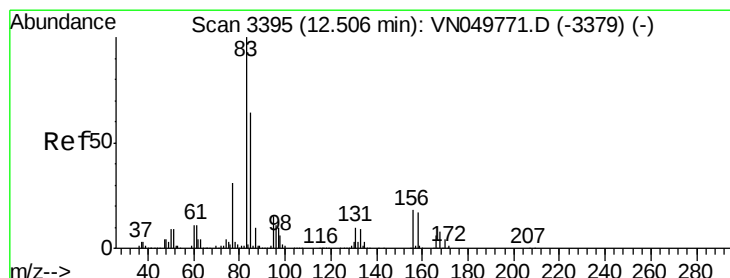
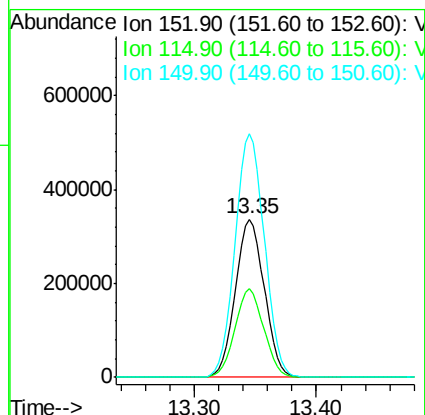
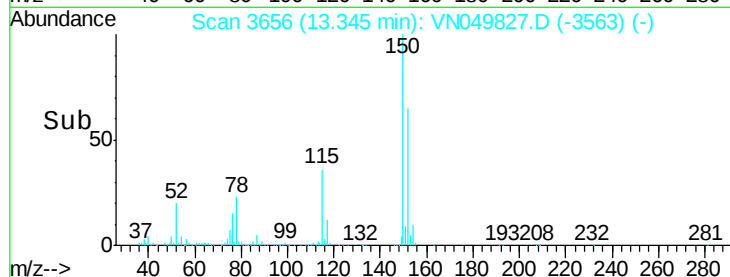
150 156.2 0.0 347.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.43 min Scan# 3372

Delta R.T. -0.07 min

Lab File: VN049827.D

Acq: 14 Jul 2018 5:05

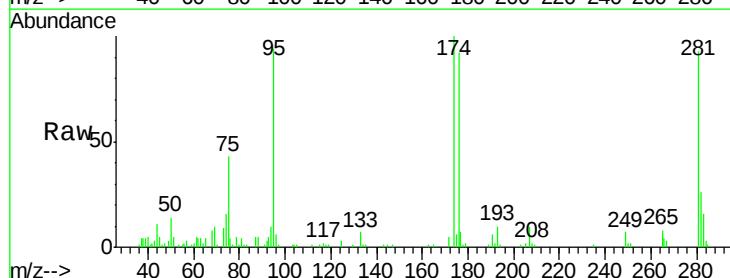
Tgt Ion: 83 Resp: 64

Ion Ratio Lower Upper

83 100

131 0.0 5.2 15.6#

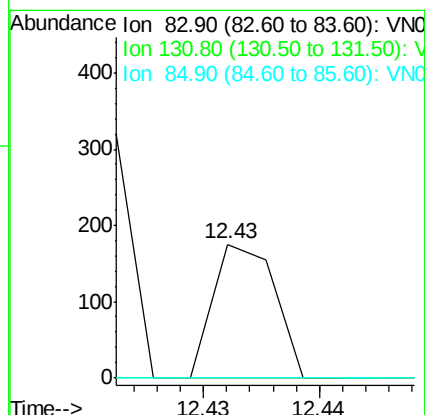
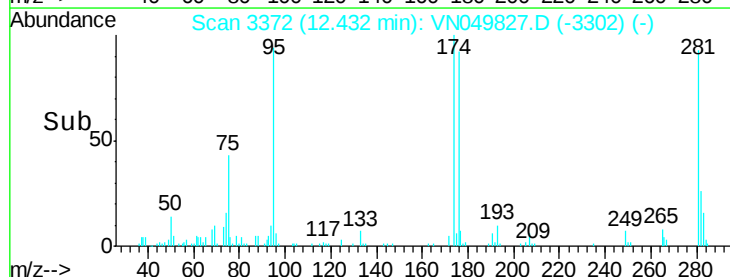
85 0.0 32.5 97.4#

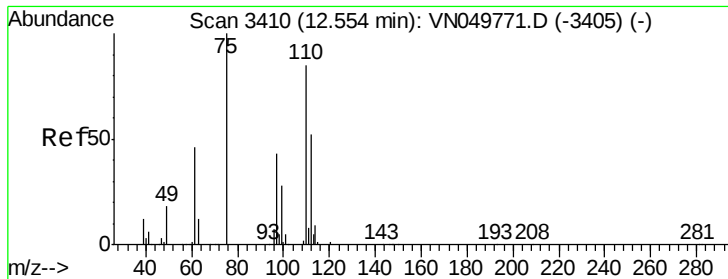


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V





#76

1,2,3-Trichloropropane

Concen: 34.30 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049827.D

Acq: 14 Jul 2018 5:05

Instrument :

MSVOA_N

ClientSampleId :

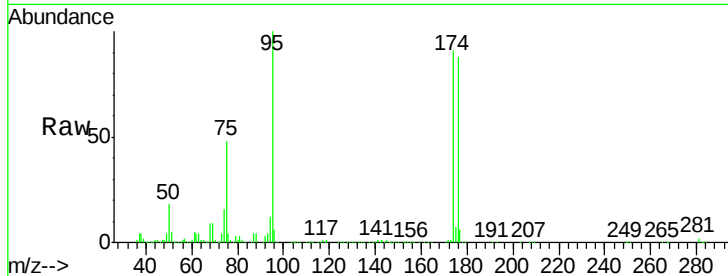
SV30518L

Tot Ion: 75 Resp: 337228

Ion Ratio Lower Upper

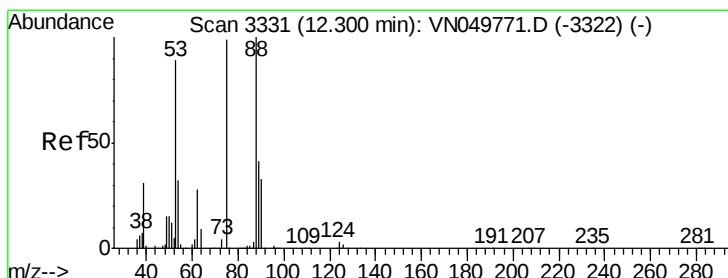
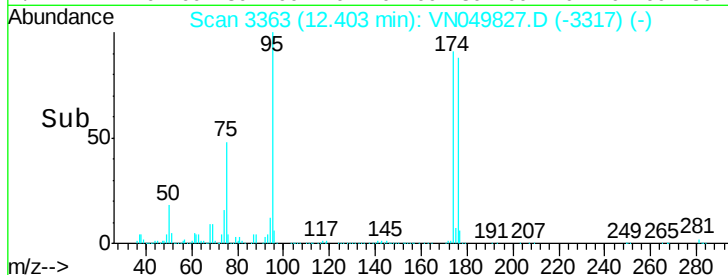
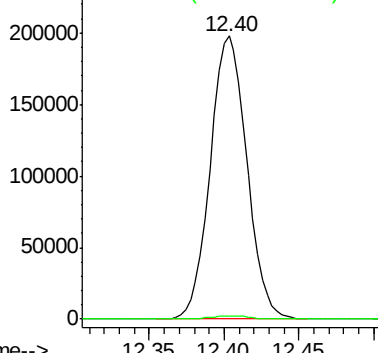
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 110.76 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049827.D

Acq: 14 Jul 2018 5:05

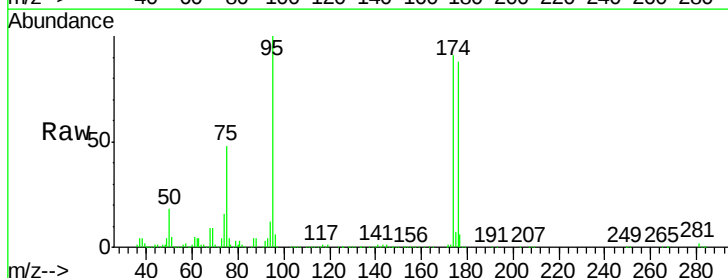
Tgt Ion: 75 Resp: 337228

Ion Ratio Lower Upper

75 100

53 0.3 73.9 110.9#

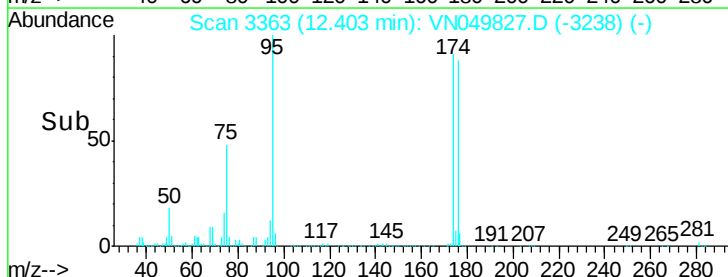
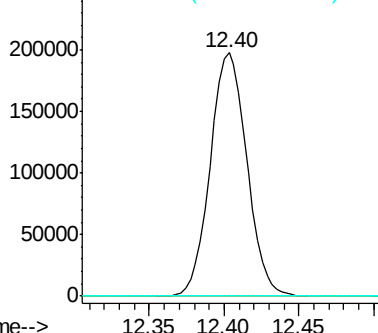
89 0.0 35.9 53.9#

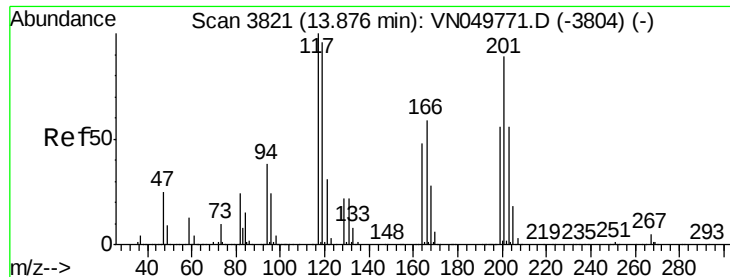


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#90

Hexachloroethane

Concen: Below Cal

RT: 13.88 min Scan# 3823

Delta R.T. 0.01 min

Lab File: VN049827.D

Acq: 14 Jul 2018 5:05

Instrument :

MSVOA_N

ClientSampleId :

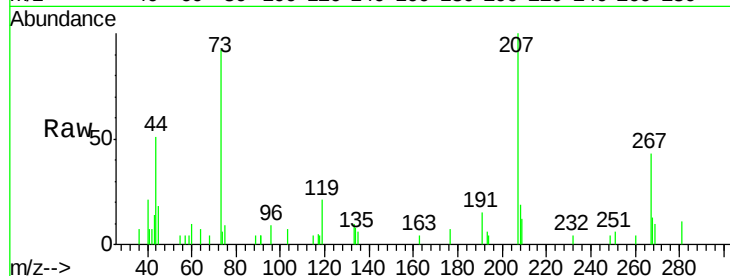
SV30518L

Tot Ion: 117 Resp: 279

Ion Ratio Lower Upper

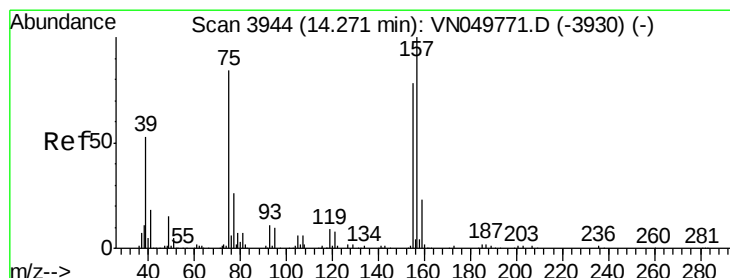
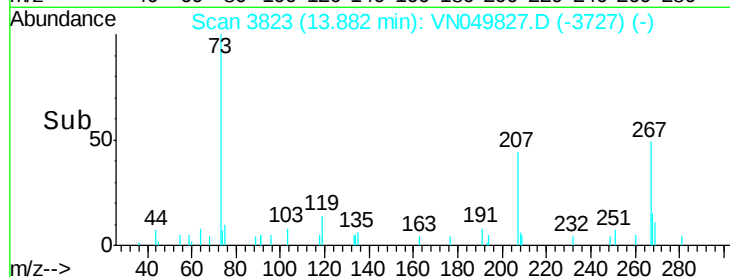
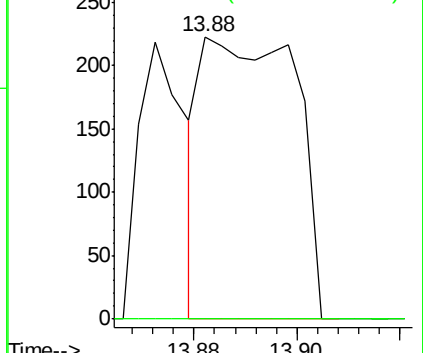
117 100

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



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.27 min Scan# 3945

Delta R.T. 0.00 min

Lab File: VN049827.D

Acq: 14 Jul 2018 5:05

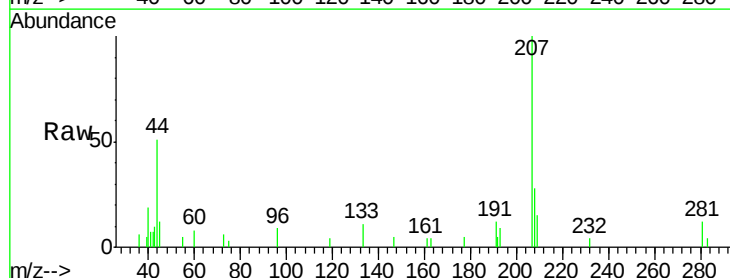
Tgt Ion: 75 Resp: 30

Ion Ratio Lower Upper

75 100

155 0.0 45.7 137.1#

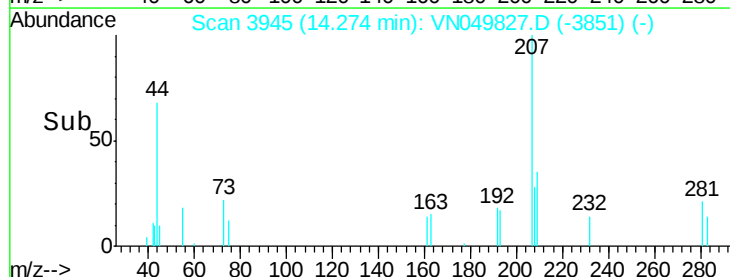
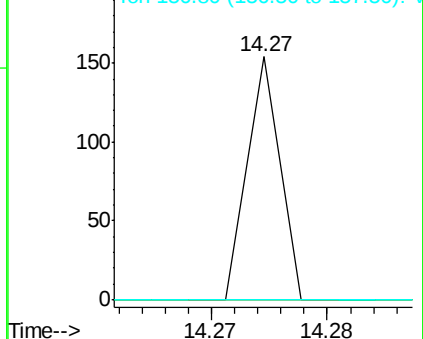
157 0.0 56.9 170.7#

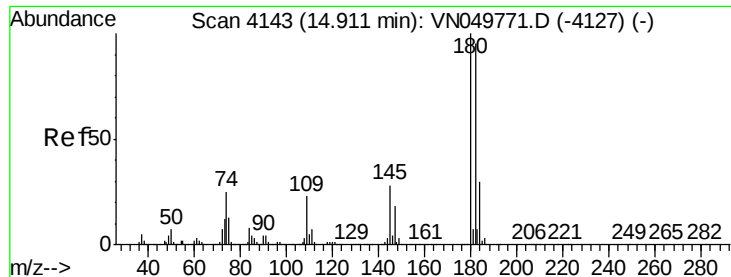


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

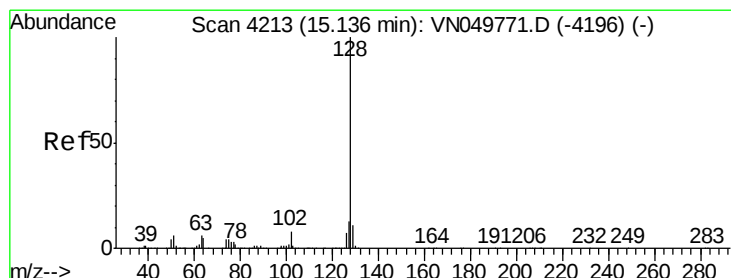
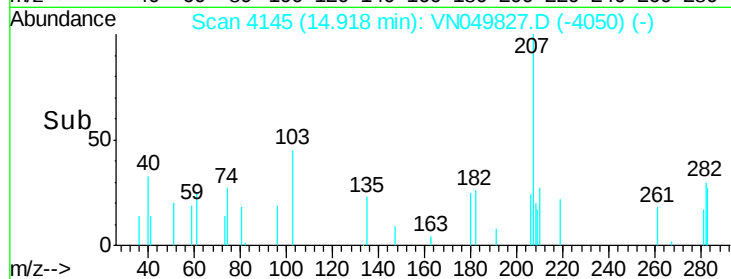
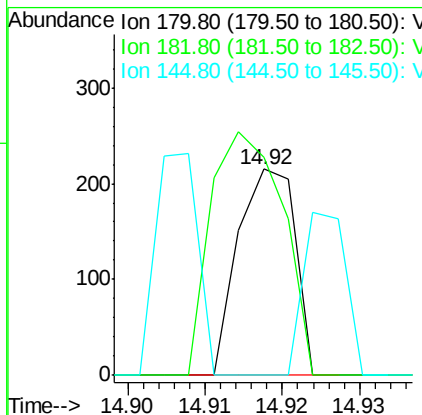
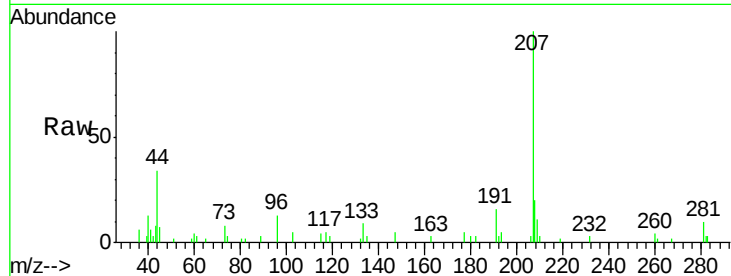




#93
 1,2,4-Trichlorobenzene
 Concen: 2.90 ug/l
 RT: 14.92 min Scan# 4145
 Delta R.T. 0.01 min
 Lab File: VN049827.D
 Acq: 14 Jul 2018 5:05

Instrument :
 MSVOA_N
 ClientSampleId :
 SV30518L

Tot Ion:180 Resp: 110
 Ion Ratio Lower Upper
 180 100
 182 149.1 47.3 141.9#
 145 58.2 14.4 43.0#



#95
 Naphthalene
 Concen: 4.81 ug/l
 RT: 15.13 min Scan# 4212
 Delta R.T. -0.00 min
 Lab File: VN049827.D
 Acq: 14 Jul 2018 5:05

Tgt Ion:128 Resp: 20903
 Ion Ratio Lower Upper
 128 100
 127 13.7 10.4 15.6
 129 11.3 8.6 13.0

