

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN053119\
 Data File : VN055929.D
 Acq On : 31 May 2019 19:19
 Operator : JC/SP
 Sample : K3129-21
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LF012RW160-190529

Quant Time: Jun 01 02:03:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	359177	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	537346	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	494401	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	163131	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	192191	51.81	ug/l	0.00
Spiked Amount			Recovery	=	103.62%	
35) Dibromofluoromethane	7.59	113	167982	49.45	ug/l	0.00
Spiked Amount			Recovery	=	98.90%	
50) Toluene-d8	10.09	98	676138	51.88	ug/l	0.00
Spiked Amount			Recovery	=	103.76%	
62) 4-Bromofluorobenzene	12.40	95	217428	48.66	ug/l	0.00
Spiked Amount			Recovery	=	97.32%	

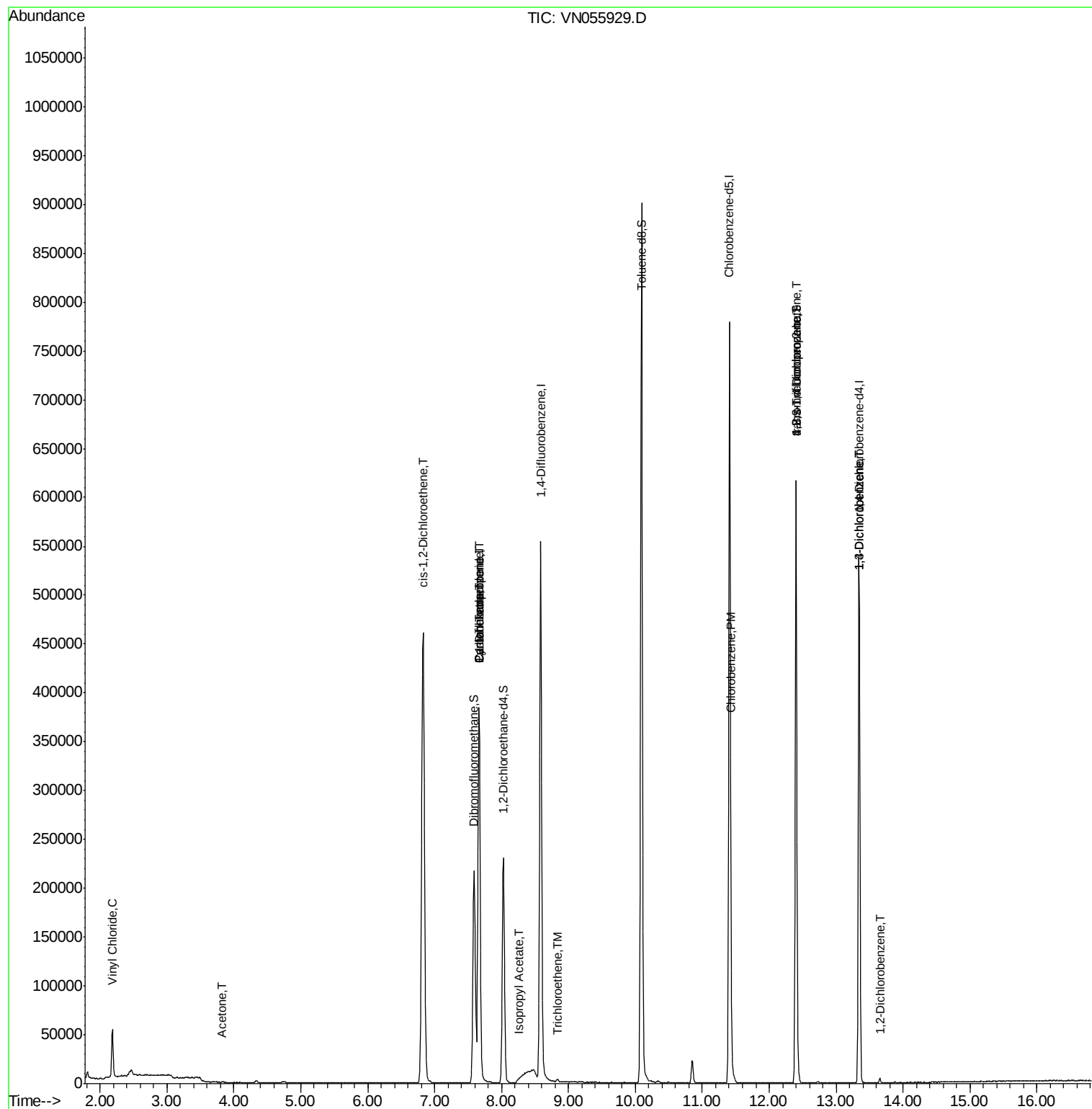
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.19	62	46365	12.835	ug/l	99
16) Acetone	3.81	43	380	0.233	ug/l #	41
27) cis-1,2-Dichloroethene	6.83	96	330658	86.362	ug/l	90
31) Cyclohexane	7.66	56	5465	0.982	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	21925	4.682	ug/l #	48
38) Carbon Tetrachloride	7.66	117	29531	6.054	ug/l #	15
43) Isopropyl Acetate	8.25	43	2742	0.361	ug/l #	53
44) Trichloroethene	8.83	130	1002	0.255	ug/l	84
65) Chlorobenzene	11.43	112	17450	1.763	ug/l	94
73) Isopropylbenzene	12.40	105	188	Below Cal	#	48
74) N-amyl acetate	12.07	43	136	Below Cal	#	43
76) 1,2,3-Trichloropropane	12.40	75	100557	34.844	ug/l #	100
79) 2-Chlorotoluene	12.40	91	540	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	100557	82.938	ug/l #	15
87) 1,3-Dichlorobenzene	13.36	146	1132	0.205	ug/l #	1
88) 1,4-Dichlorobenzene	13.36	146	1132	0.216	ug/l #	1
91) 1,2-Dichlorobenzene	13.65	146	2691	0.489	ug/l	92

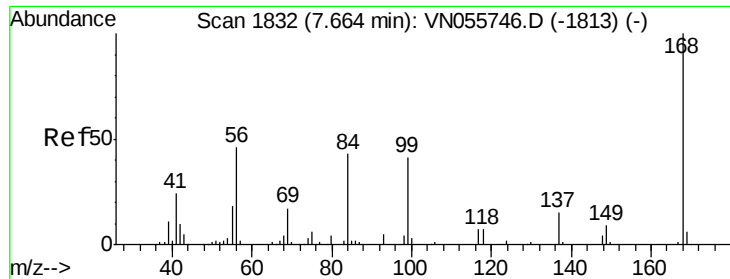
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri May 24 06:41:54 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055929.D

Acq: 31 May 2019 19:19

Instrument :

MSVOA_N

ClientSampleId :

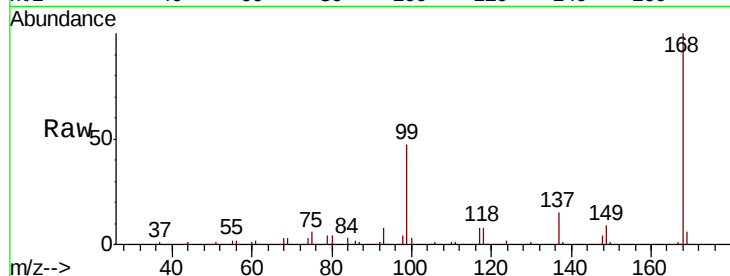
LF012RW160-190529

Tot Ion:168 Resp: 359177

Ion Ratio Lower Upper

168 100

99 47.1 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

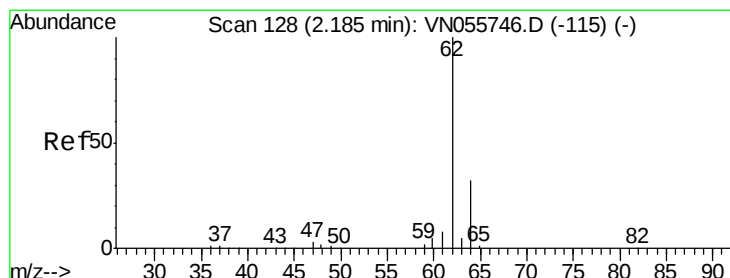
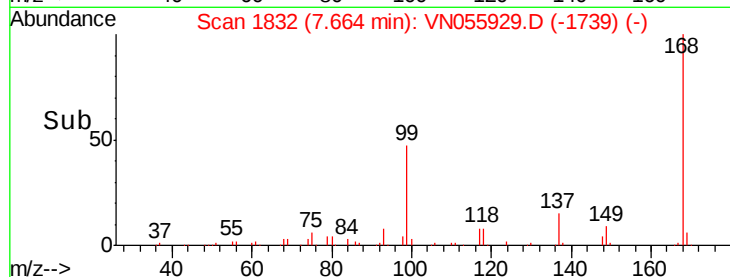
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 12.835 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN055929.D

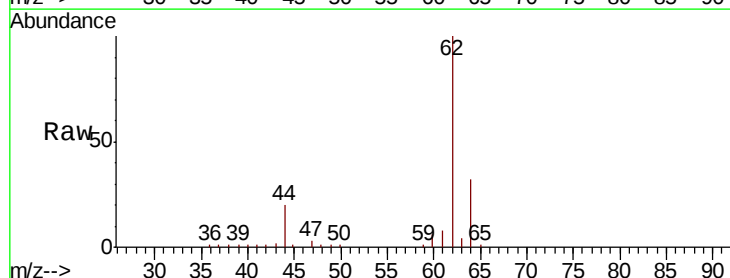
Acq: 31 May 2019 19:19

Tgt Ion: 62 Resp: 46365

Ion Ratio Lower Upper

62 100

64 32.4 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.19

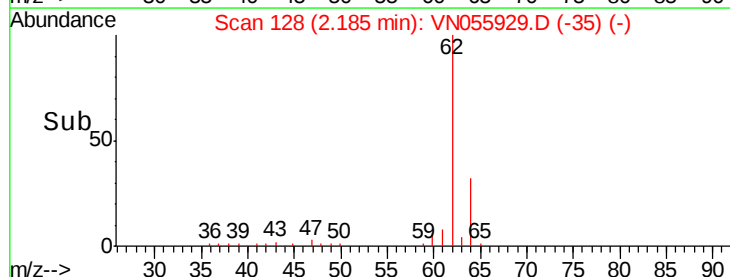
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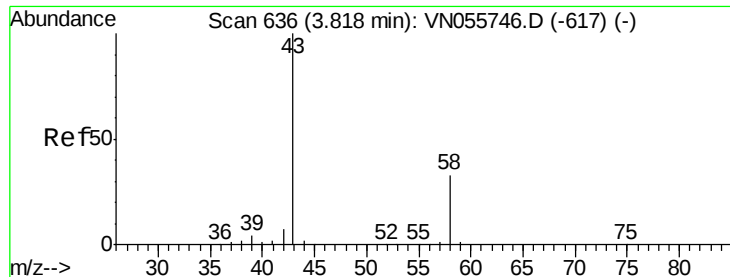
20000

10000

0

Time-->





#16

Acetone

Concen: 0.233 ug/l

RT: 3.81 min Scan# 634

Delta R.T. -0.01 min

Lab File: VN055929.D

Acq: 31 May 2019 19:19

Instrument :

MSVOA_N

ClientSampleId :

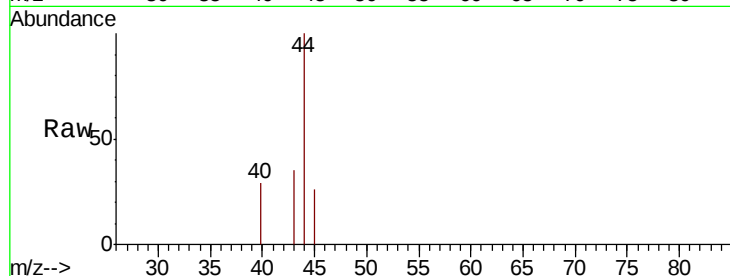
LF012RW160-190529

Tot Ion: 43 Resp: 380

Ion Ratio Lower Upper

43 100

58 0.0 26.6 39.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

400

300

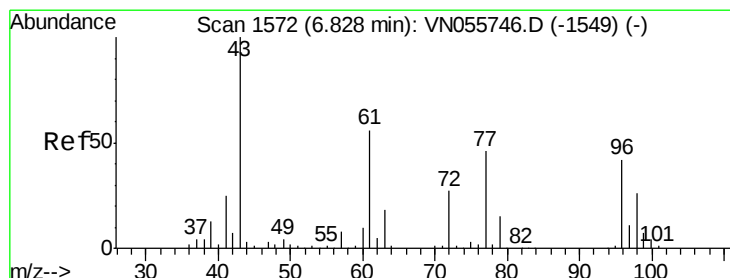
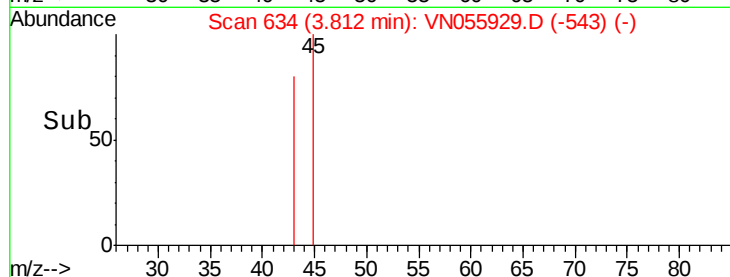
200

100

0

3.78 3.80 3.82

Time-->



#27

cis-1,2-Dichloroethene

Concen: 86.362 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055929.D

Acq: 31 May 2019 19:19

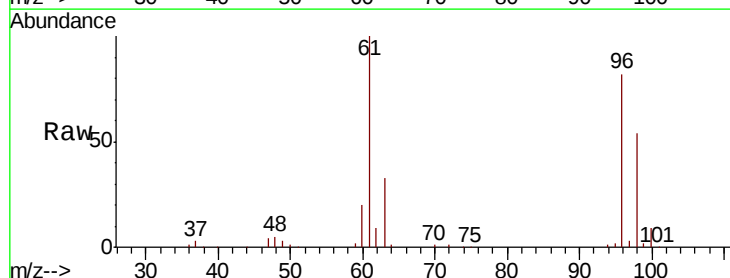
Tgt Ion: 96 Resp: 330658

Ion Ratio Lower Upper

96 100

61 120.1 0.0 275.8

98 64.6 0.0 128.4



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

150000

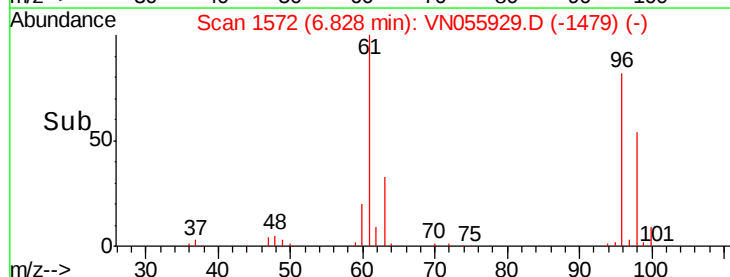
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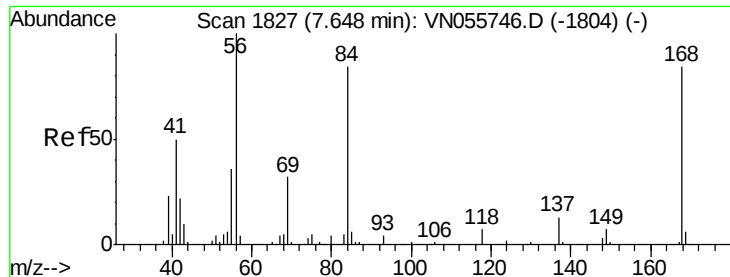
50000

0

6.70 6.80 6.90 7.00

Time-->

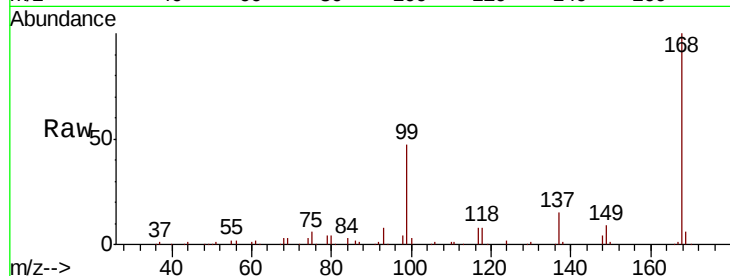




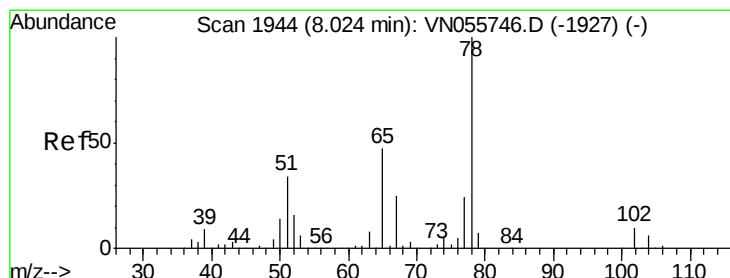
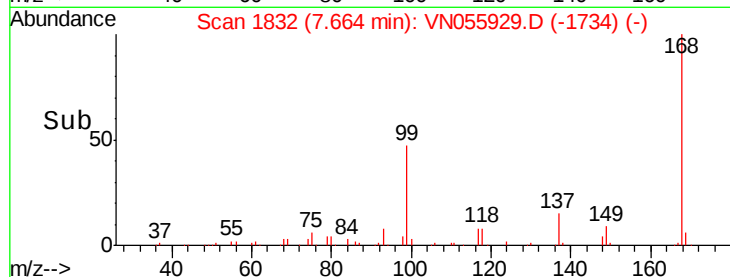
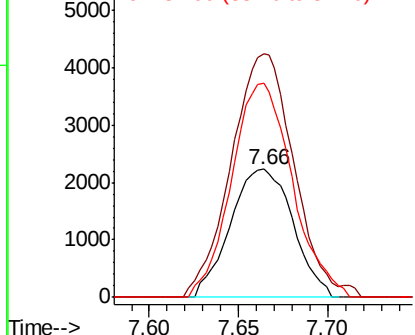
#31
Cyclohexane
Concen: 0.982 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.02 min
Lab File: VN055929.D
Acq: 31 May 2019 19:19

Instrument :
MSVOA_N
ClientSampleId :
LF012RW160-190529

Tot Ion: 56 Resp: 5465
Ion Ratio Lower Upper
56 100
69 182.4 25.6 38.4#
84 167.1 67.4 101.0#

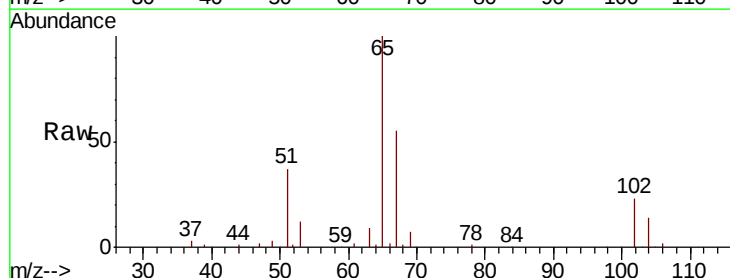


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

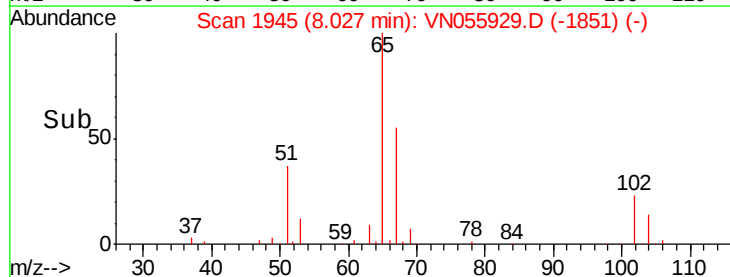
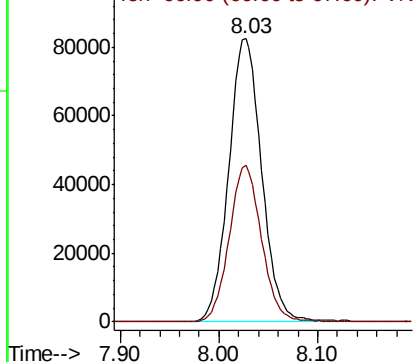


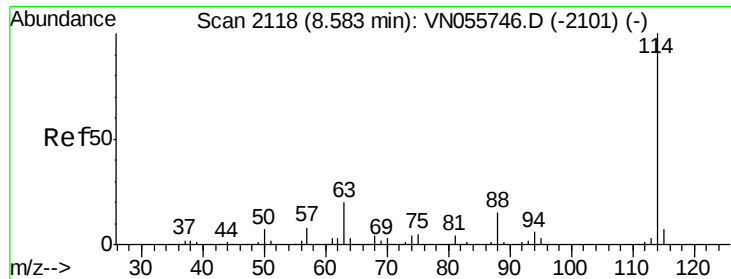
#33
1,2-Dichloroethane-d4
Concen: 51.813 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN055929.D
Acq: 31 May 2019 19:19

Tgt Ion: 65 Resp: 192191
Ion Ratio Lower Upper
65 100
67 54.2 0.0 109.2



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

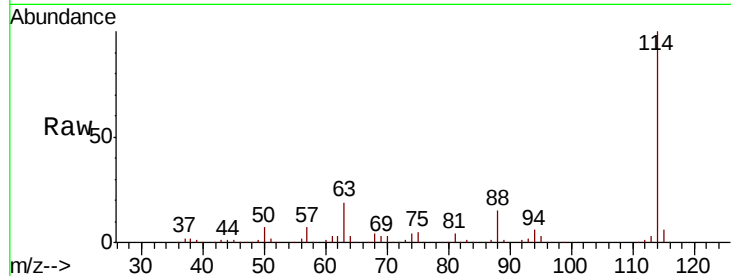




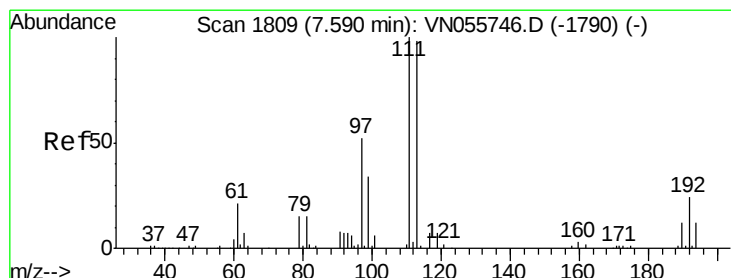
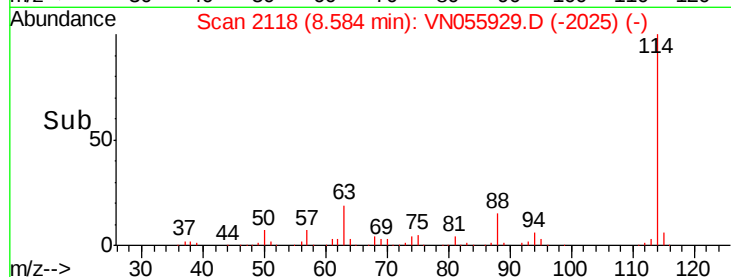
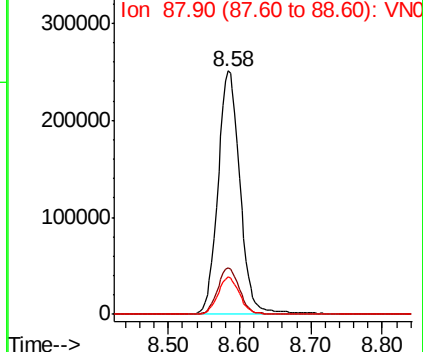
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.58 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VN055929.D
Acq: 31 May 2019 19:19

Instrument :
MSVOA_N
ClientSampleId :
LF012RW160-190529

Tot Ion:114 Resp: 537346
Ion Ratio Lower Upper
114 100
63 19.1 0.0 39.2
88 15.3 0.0 31.0

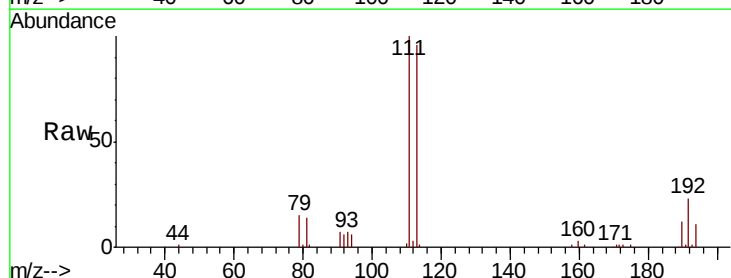


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

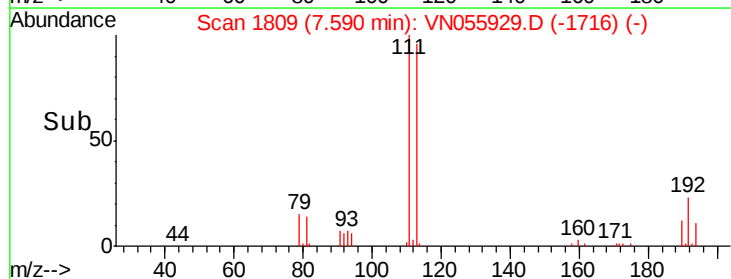
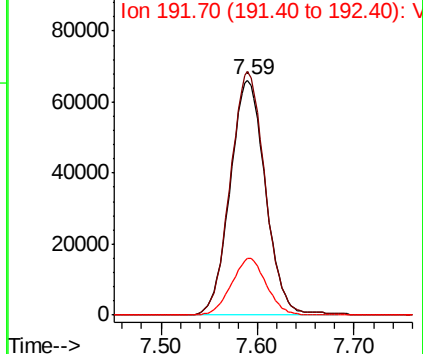


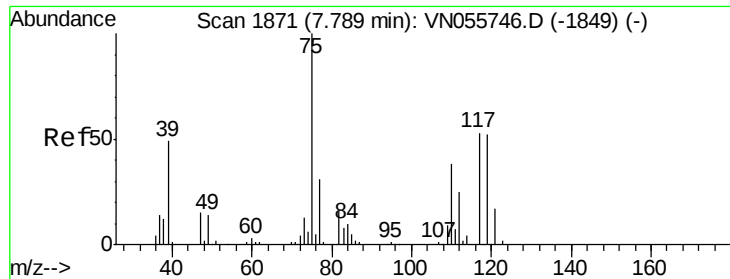
#35
Dibromofluoromethane
Concen: 49.446 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN055929.D
Acq: 31 May 2019 19:19

Tgt Ion:113 Resp: 167982
Ion Ratio Lower Upper
113 100
111 101.5 81.9 122.9
192 23.7 19.5 29.3



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

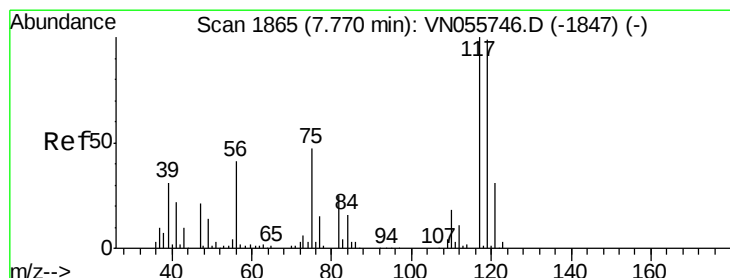
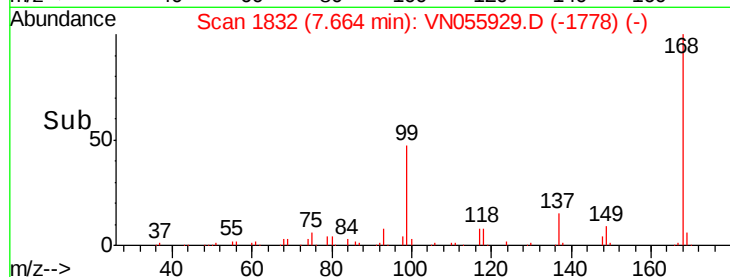
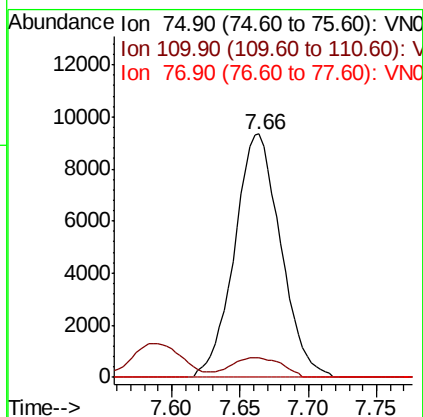
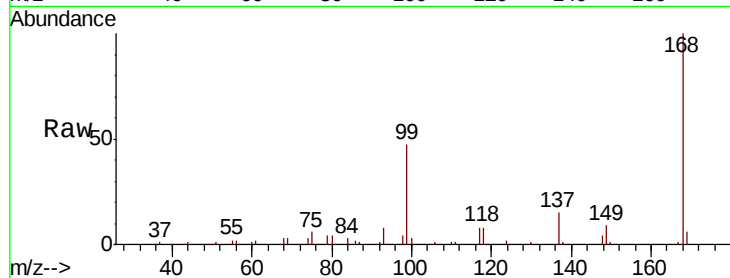




#36
 1,1-Dichloropropene
 Concen: 4.682 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN055929.D
 Acq: 31 May 2019 19:19

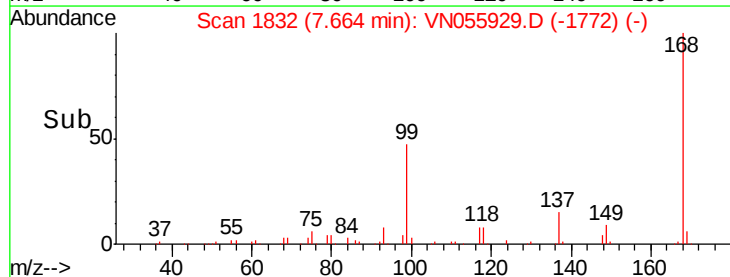
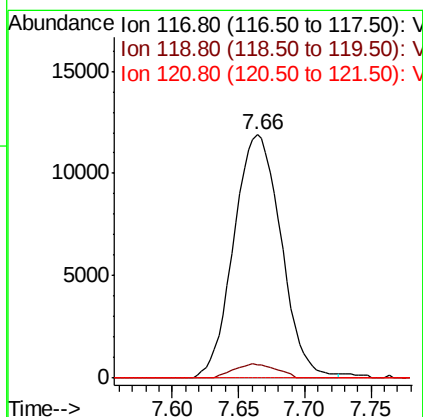
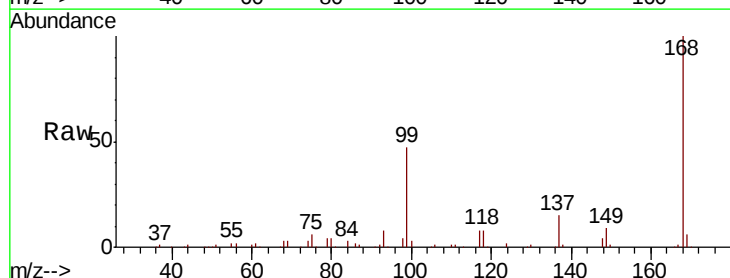
Instrument :
 MSVOA_N
 ClientSampleId :
 LF012RW160-190529

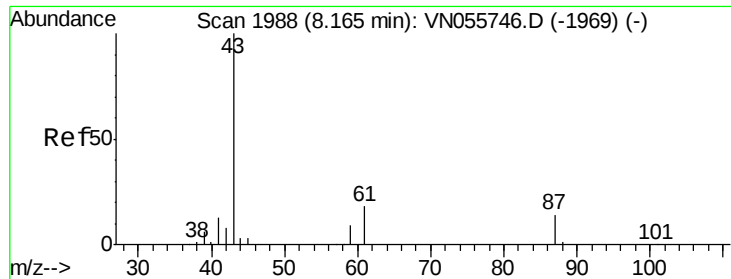
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.9	19.0	57.0#
77	0.0	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 6.054 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN055929.D
 Acq: 31 May 2019 19:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.6	79.0	118.6#
121	0.0	24.7	37.1#





#43

Isopropyl Acetate

Concen: 0.361 ug/l

RT: 8.25 min Scan# 2014

Delta R.T. 0.08 min

Lab File: VN055929.D

Acq: 31 May 2019 19:19

Instrument :

MSVOA_N

ClientSampleId :

LF012RW160-190529

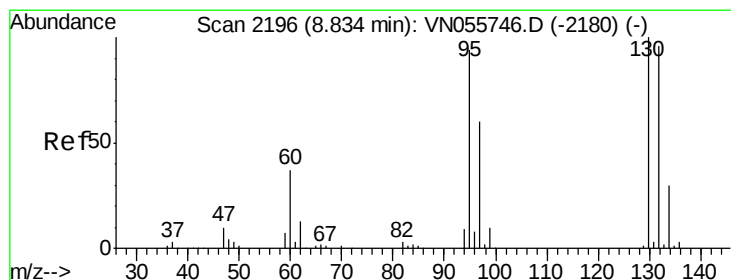
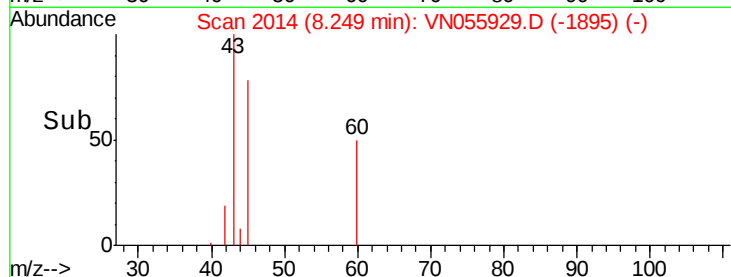
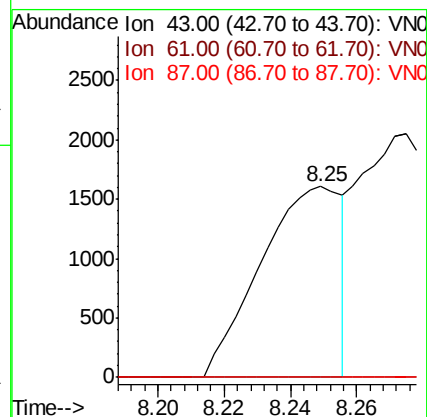
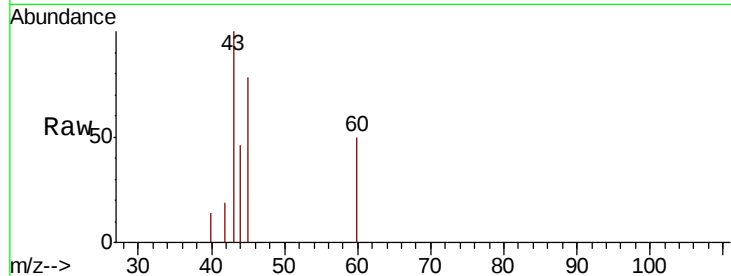
Tot Ion: 43 Resp: 2742

Ion Ratio Lower Upper

43 100

61 0.0 22.2 33.4#

87 0.0 11.4 17.2#



#44

Trichloroethene

Concen: 0.255 ug/l

RT: 8.83 min Scan# 2195

Delta R.T. -0.00 min

Lab File: VN055929.D

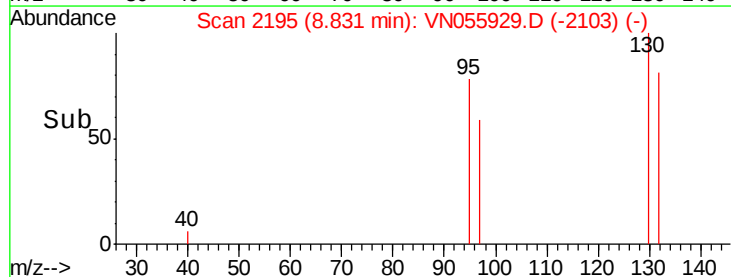
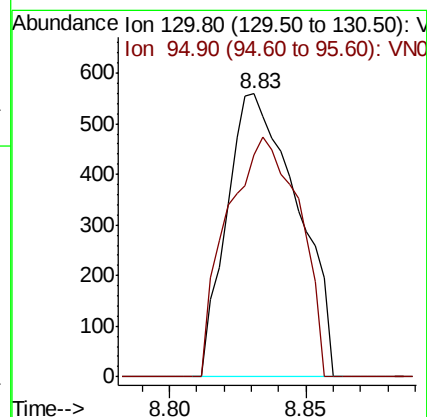
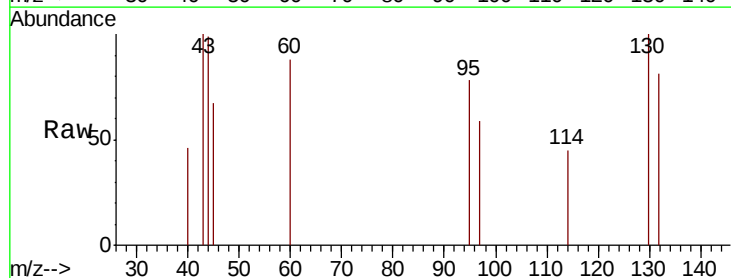
Acq: 31 May 2019 19:19

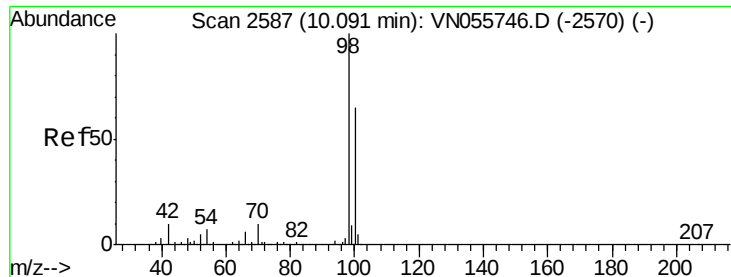
Tgt Ion: 130 Resp: 1002

Ion Ratio Lower Upper

130 100

95 78.4 0.0 188.0





#50

Toluene-d8

Concen: 51.884 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055929.D

Acq: 31 May 2019 19:19

Instrument :

MSVOA_N

ClientSampleId :

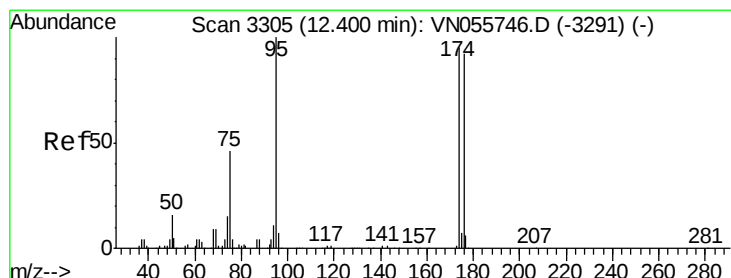
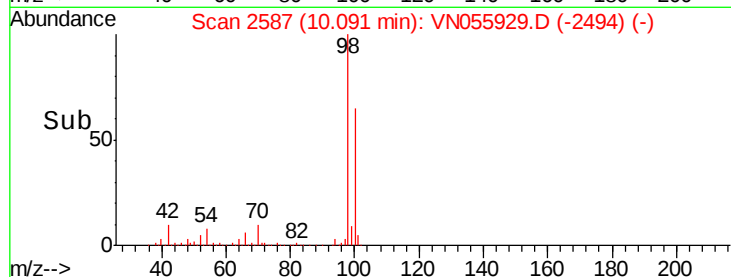
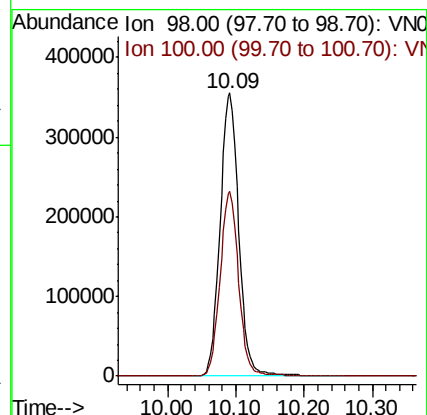
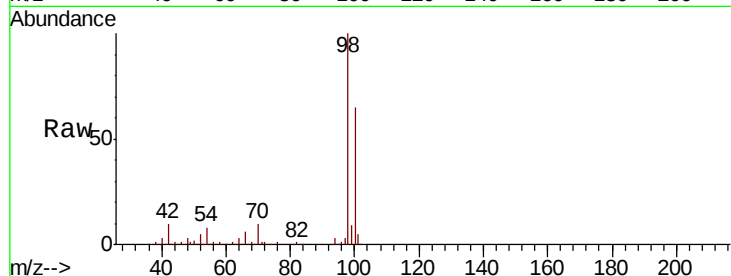
LF012RW160-190529

Tot Ion: 98 Resp: 676138

Ion Ratio Lower Upper

98 100

100 64.7 51.9 77.9



#62

4-Bromofluorobenzene

Concen: 48.659 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055929.D

Acq: 31 May 2019 19:19

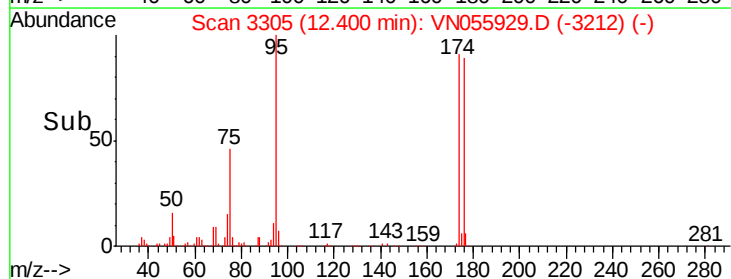
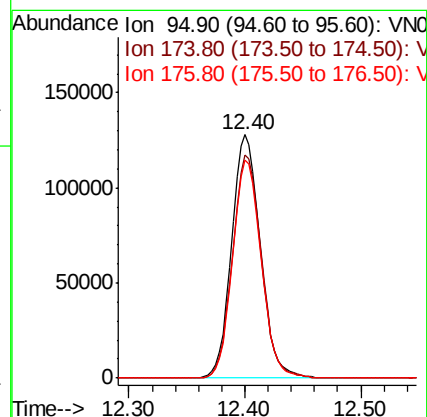
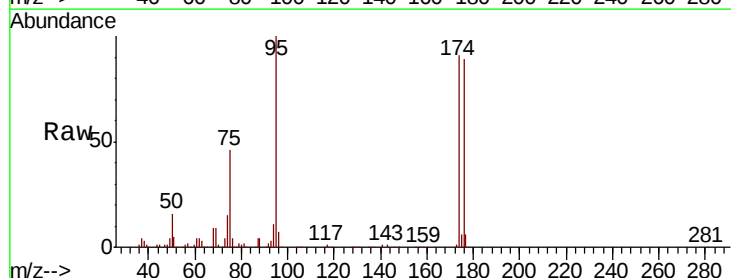
Tgt Ion: 95 Resp: 217428

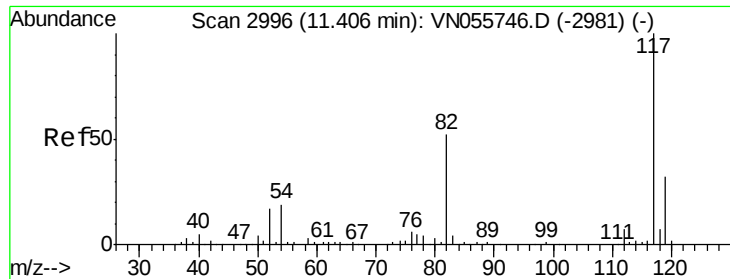
Ion Ratio Lower Upper

95 100

174 92.6 0.0 191.0

176 89.7 0.0 185.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN055929.D

Acq: 31 May 2019 19:19

Instrument :

MSVOA_N

ClientSampleId :

LF012RW160-190529

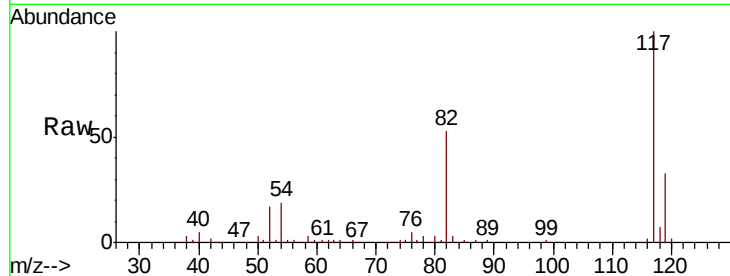
Tot Ion:117 Resp: 494401

Ion Ratio Lower Upper

117 100

82 52.6 41.8 62.8

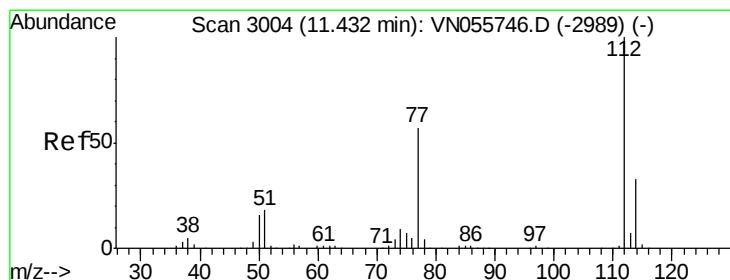
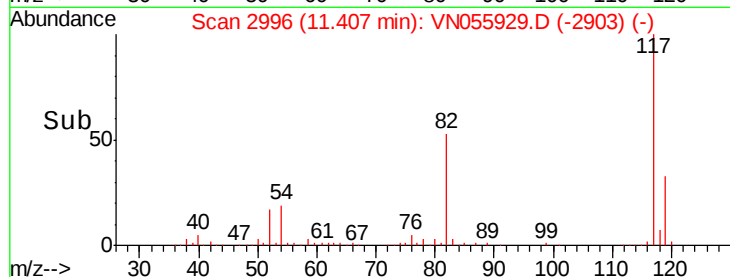
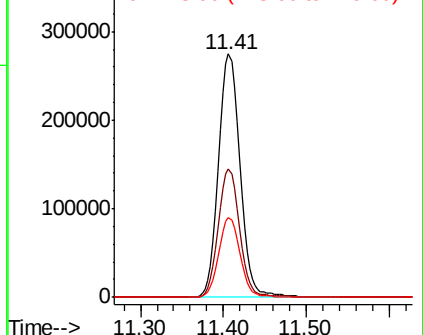
119 32.8 25.4 38.0



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



#65

Chlorobenzene

Concen: 1.763 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN055929.D

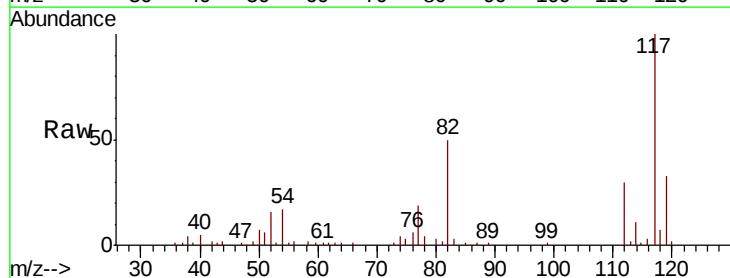
Acq: 31 May 2019 19:19

Tgt Ion:112 Resp: 17450

Ion Ratio Lower Upper

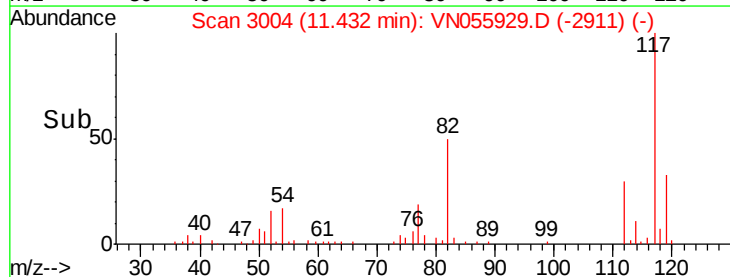
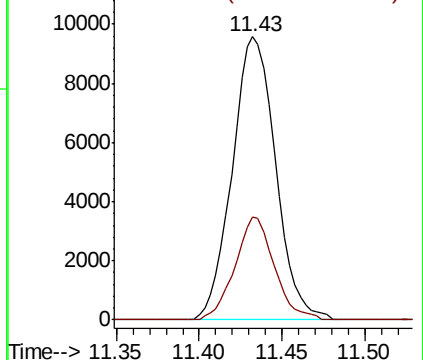
112 100

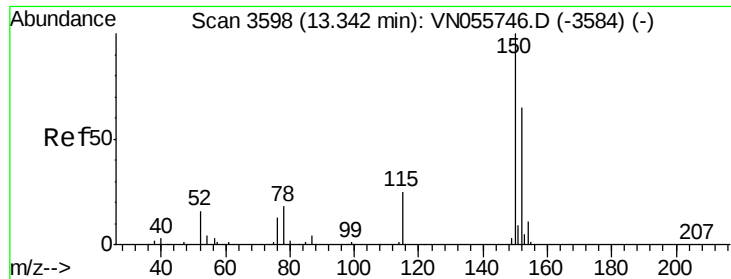
114 36.3 26.2 39.4



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: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055929.D

Acq: 31 May 2019 19:19

Instrument :

MSVOA_N

ClientSampleId :

LF012RW160-190529

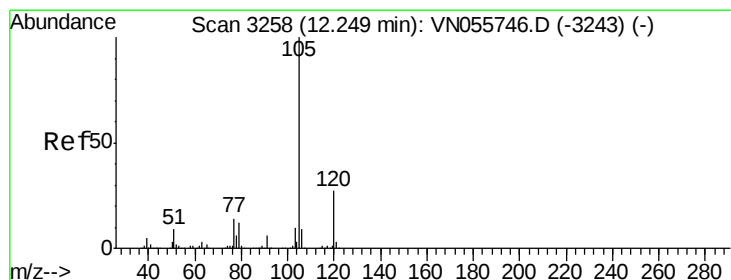
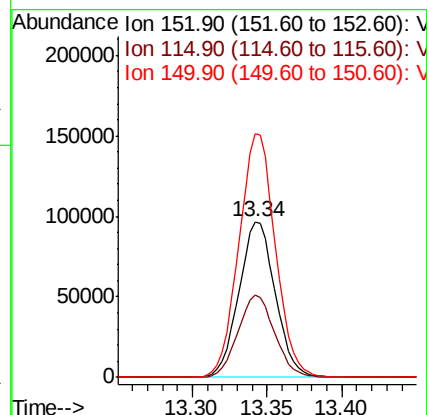
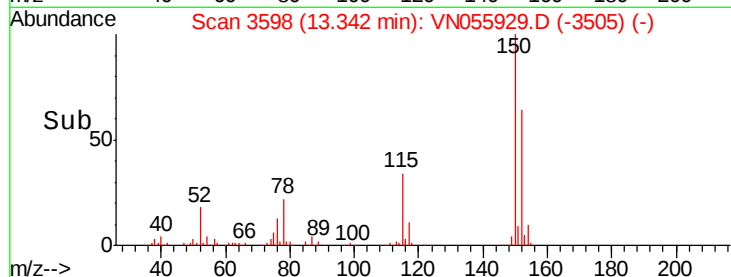
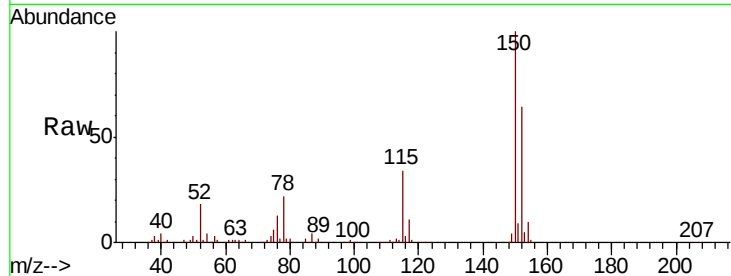
Tot Ion:152 Resp: 163131

Ion Ratio Lower Upper

152 100

115 53.3 27.0 81.0

150 157.6 0.0 343.2



#73

Isopropylbenzene

Concen: Below Cal

RT: 12.40 min Scan# 3304

Delta R.T. 0.15 min

Lab File: VN055929.D

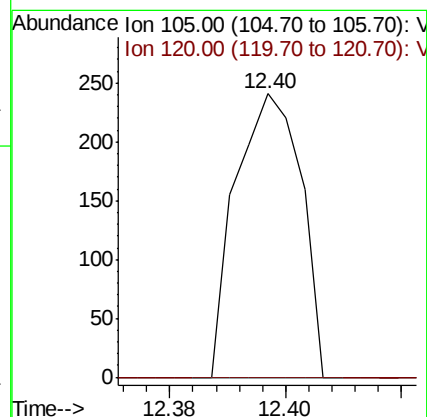
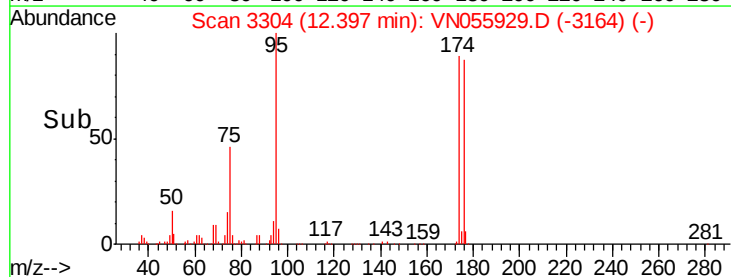
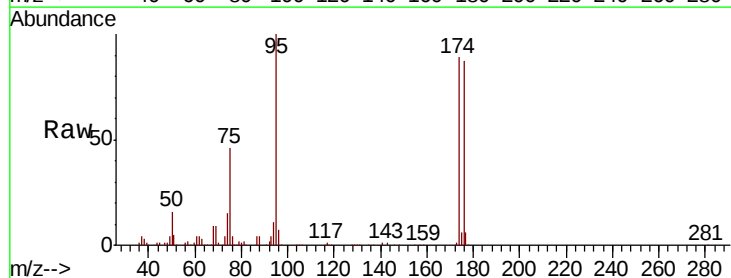
Acq: 31 May 2019 19:19

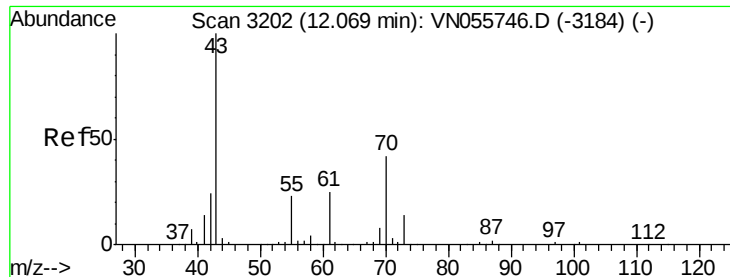
Tgt Ion:105 Resp: 188

Ion Ratio Lower Upper

105 100

120 0.0 13.6 40.7#





#74

N-amvl acetate

Concen: Below Cal

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN055929.D

Acq: 31 May 2019 19:19

Instrument :

MSVOA_N

ClientSampleId :

LF012RW160-190529

Tot Ion: 43 Resp: 136

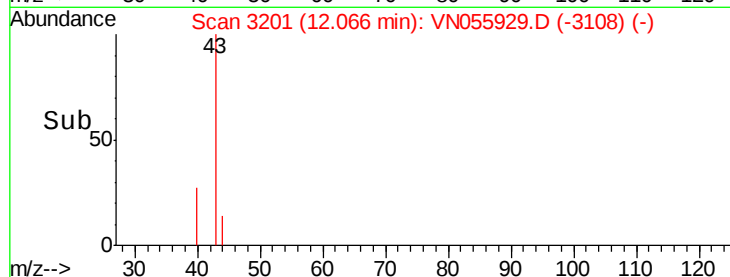
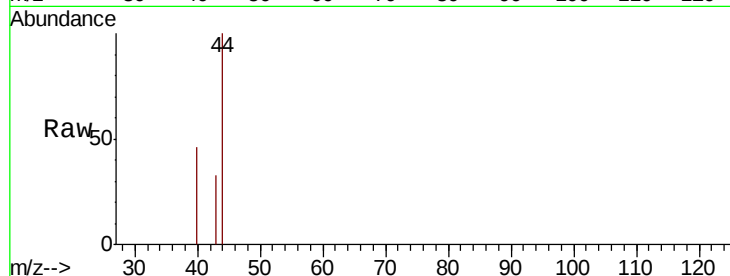
Ion Ratio Lower Upper

43 100

70 0.0 34.0 51.0#

55 0.0 18.6 28.0#

61 0.0 20.0 30.0#

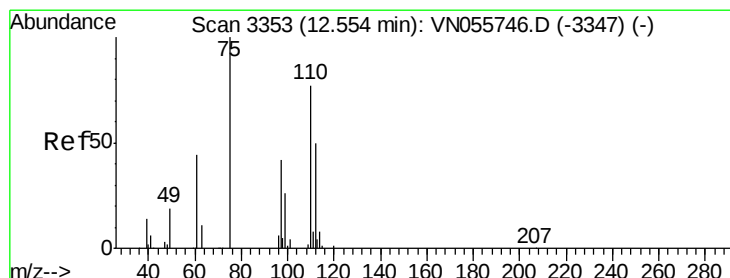
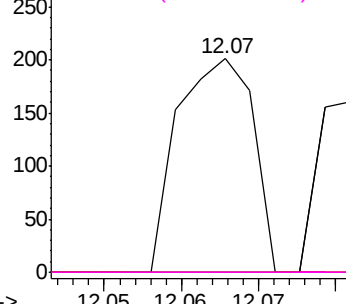


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 34.844 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055929.D

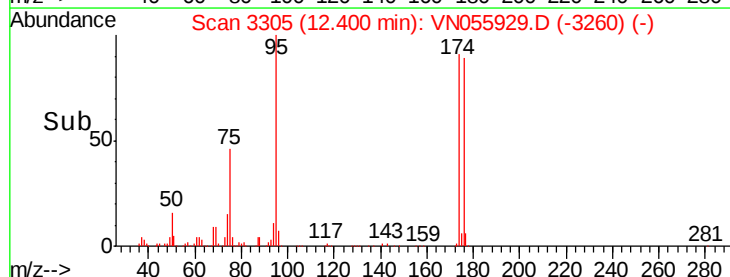
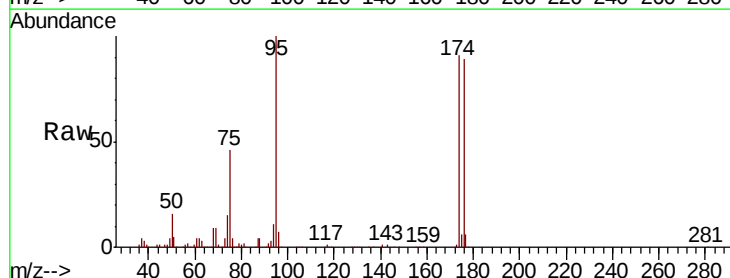
Acq: 31 May 2019 19:19

Tgt Ion: 75 Resp: 100557

Ion Ratio Lower Upper

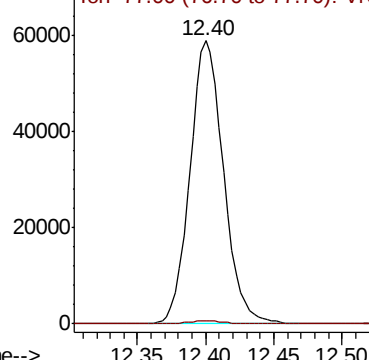
75 100

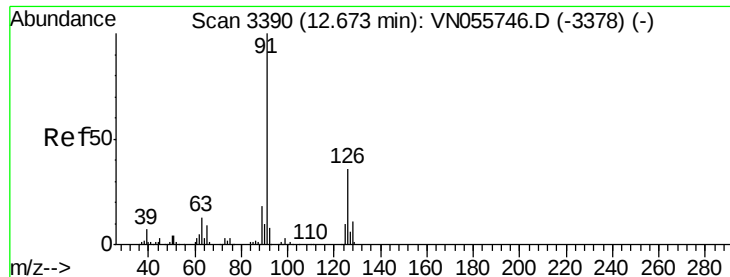
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.40 min Scan# 3306

Delta R.T. -0.27 min

Lab File: VN055929.D

Acq: 31 May 2019 19:19

Instrument :

MSVOA_N

ClientSampleId :

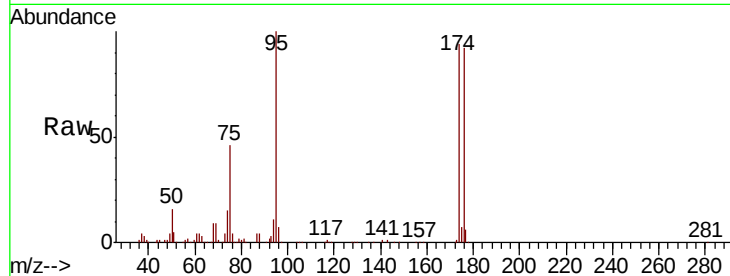
LF012RW160-190529

Tot Ion: 91 Resp: 540

Ion Ratio Lower Upper

91 100

126 0.0 18.1 54.4#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

12.40

400

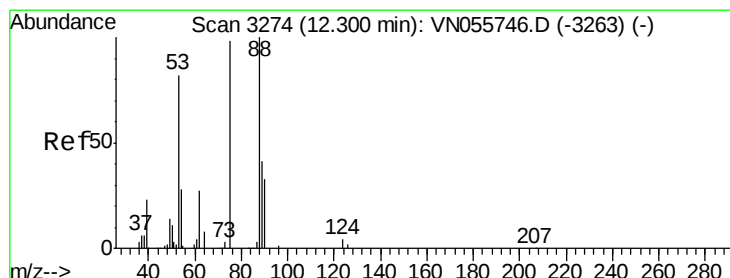
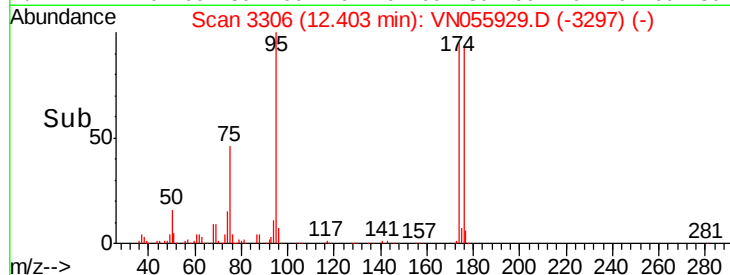
300

200

100

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 82.938 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055929.D

Acq: 31 May 2019 19:19

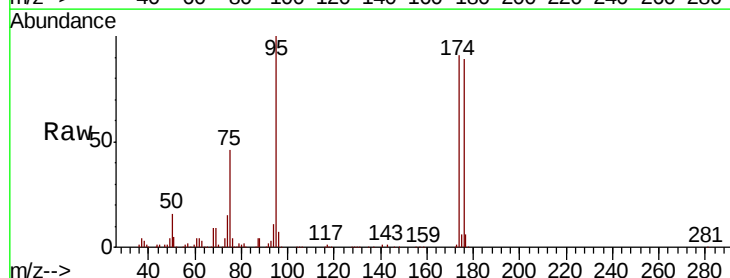
Tgt Ion: 75 Resp: 100557

Ion Ratio Lower Upper

75 100

53 0.0 68.1 102.1#

89 0.0 36.9 55.3#



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

80000

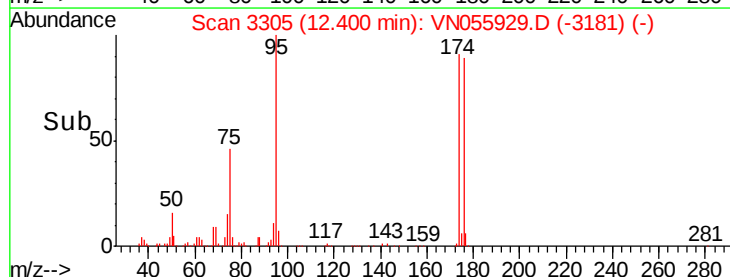
60000

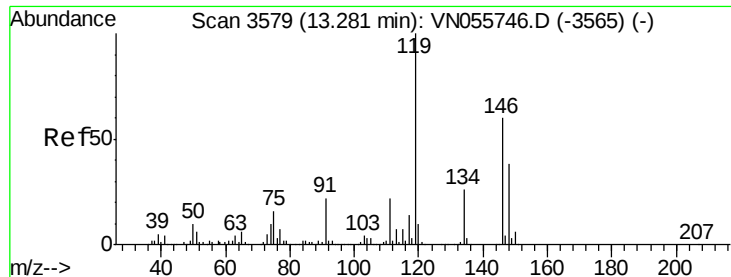
40000

20000

0

Time-->

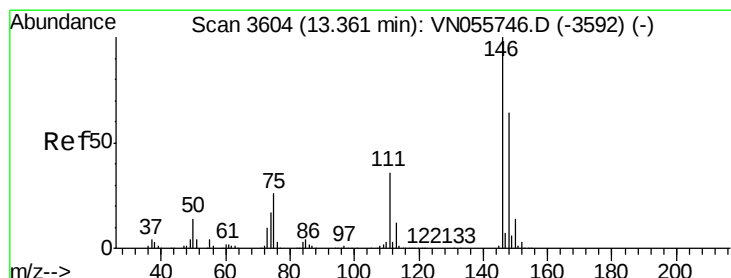
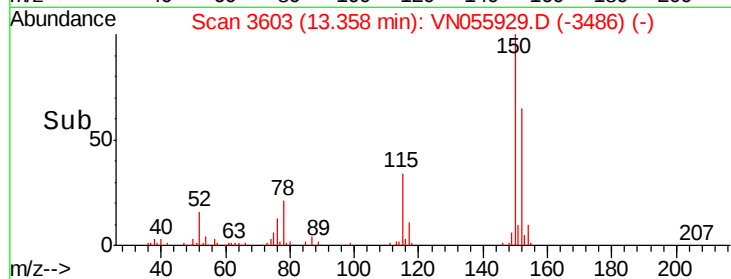
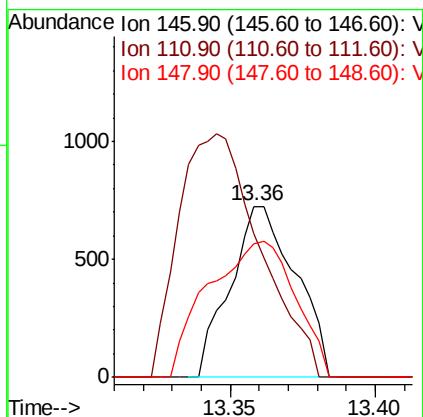
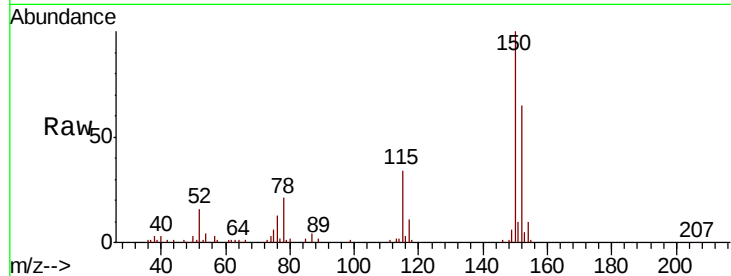




#87
 1,3-Dichlorobenzene
 Concen: 0.205 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.08 min
 Lab File: VN055929.D
 Acq: 31 May 2019 19:19

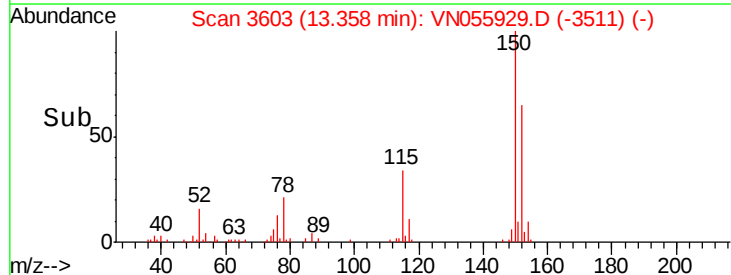
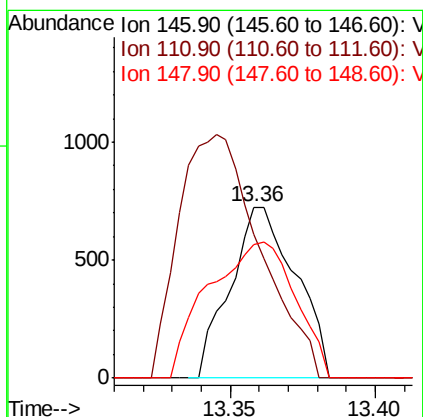
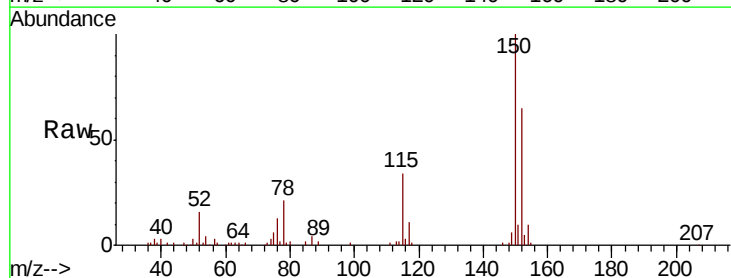
Instrument :
 MSVOA_N
 ClientSampleId :
 LF012RW160-190529

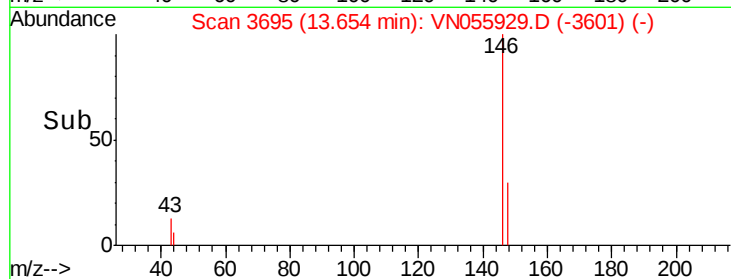
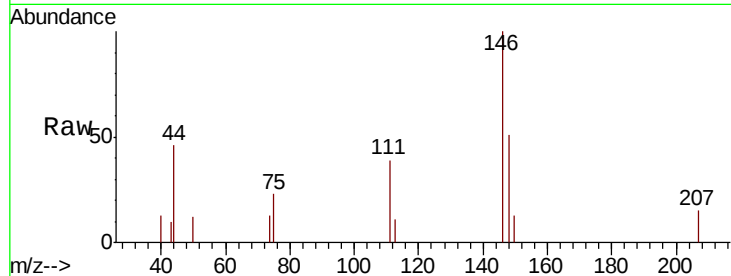
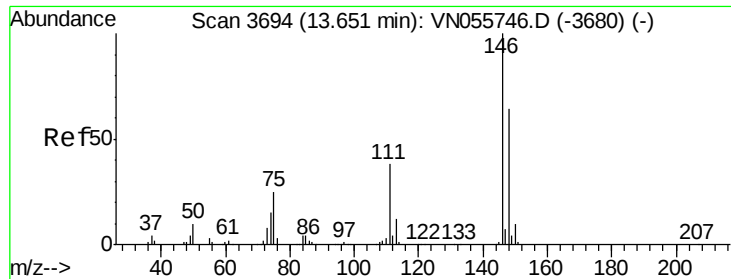
Tot Ion:146 Resp: 1132
 Ion Ratio Lower Upper
 146 100
 111 177.5 18.5 55.5#
 148 106.0 32.0 96.2#



#88
 1,4-Dichlorobenzene
 Concen: 0.216 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN055929.D
 Acq: 31 May 2019 19:19

Tgt Ion:146 Resp: 1132
 Ion Ratio Lower Upper
 146 100
 111 177.5 18.1 54.4#
 148 106.0 32.1 96.5#





#91

1,2-Dichlorobenzene

Concen: 0.489 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN055929.D

Acq: 31 May 2019 19:19

Instrument :

MSVOA_N

ClientSampleId :

LF012RW160-190529

Tot Ion:146 Resp: 2691

Ion Ratio Lower Upper

146 100

111 35.6 19.1 57.5

148 56.6 31.9 95.9

