

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN041519\
 Data File : VN055045.D
 Acq On : 15 Apr 2019 15:32
 Operator : JC/SP
 Sample : K2343-02MERE
 Misc : 2.68g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-7-S2MERE

Quant Time: Apr 16 05:51:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 15 12:28:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	523978	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	837534	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	673381	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	249895	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	326510	46.88	ug/l	0.00
Spiked Amount			Recovery	=	93.76%	
35) Dibromofluoromethane	7.59	113	261378	46.70	ug/l	0.00
Spiked Amount			Recovery	=	93.40%	
50) Toluene-d8	10.09	98	983351	49.09	ug/l	0.00
Spiked Amount			Recovery	=	98.18%	
62) 4-Bromofluorobenzene	12.40	95	292975	44.98	ug/l	0.00
Spiked Amount			Recovery	=	89.96%	

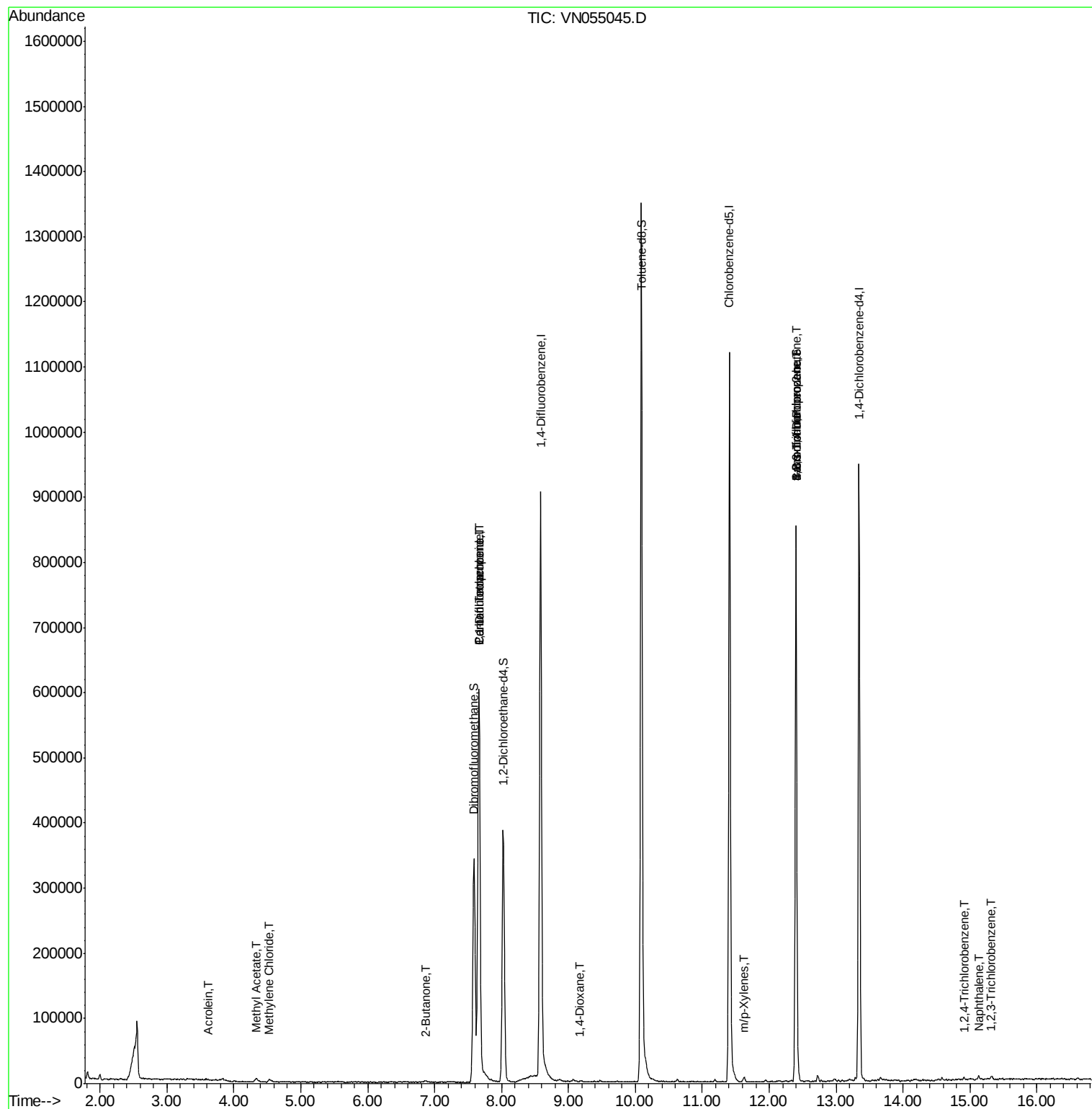
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.61	56	260	0.551	ug/l #	12
18) Methyl Acetate	4.33	43	11993	1.780	ug/l	96
20) Methylene Chloride	4.53	84	2665	0.401	ug/l #	62
25) 2-Butanone	6.86	43	5689	2.016	ug/l #	89
31) Cyclohexane	7.66	56	11554	Below Cal	#	1
36) 1,1-Dichloropropene	7.66	75	38951	4.933	ug/l #	50
38) Carbon Tetrachloride	7.66	117	48212	6.418	ug/l #	18
49) 1,4-Dioxane	9.17	88	31	0.674	ug/l #	1
68) m/p-Xylenes	11.62	106	1884	0.215	ug/l	99
71) Bromoform	12.40	173	2698	0.944	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	147296	32.778	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	147296	131.075	ug/l #	2
93) 1,2,4-Trichlorobenzene	14.91	180	1002	2.925	ug/l	87
95) Naphthalene	15.13	128	5031	3.606	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.32	180	1390	0.426	ug/l	92

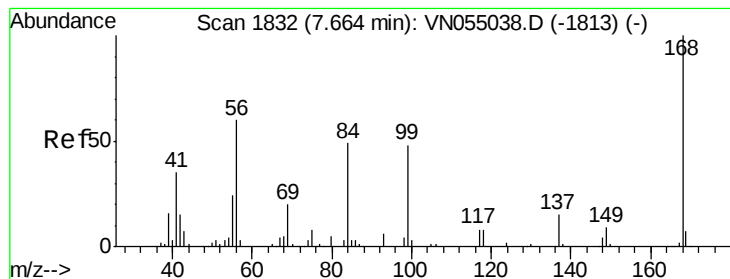
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VN055045.D

Acq: 15 Apr 2019 15:32

Instrument :

MSVOA_N

ClientSampleId :

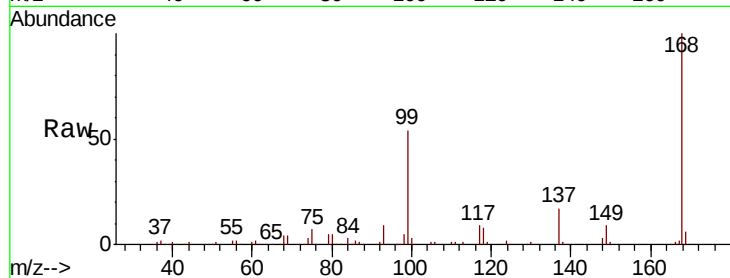
TP-7-S2MERE

Tot Ion:168 Resp: 523978

Ion Ratio Lower Upper

168 100

99 53.6 41.9 62.9



Abundance Ion 167.90 (167.60 to 168.60): VN055038.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN055038.D (-1813) (-)

7.66

250000

200000

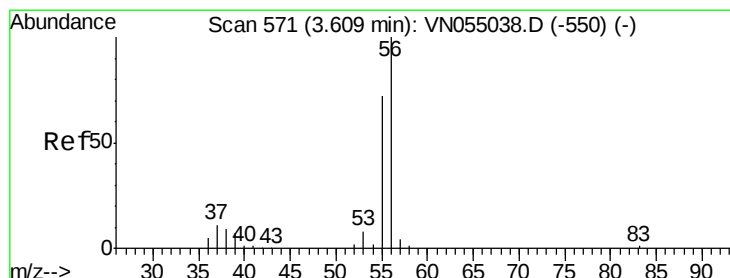
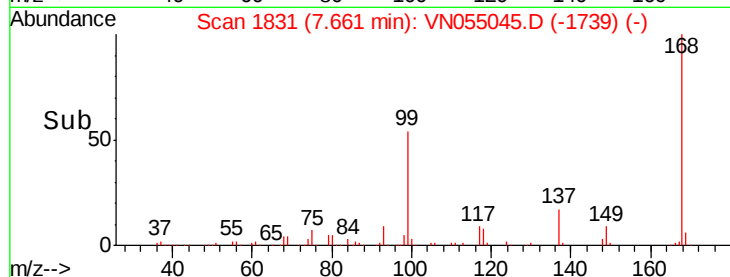
150000

100000

50000

0

Time--> 7.55 7.60 7.65 7.70 7.75



#13

Acrolein

Concen: 0.551 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN055045.D

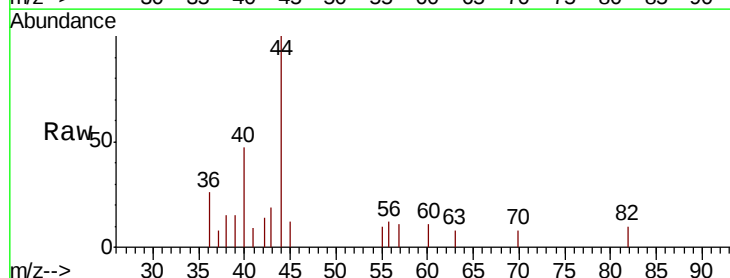
Acq: 15 Apr 2019 15:32

Tgt Ion: 56 Resp: 260

Ion Ratio Lower Upper

56 100

55 0.0 59.5 89.3#



Abundance Ion 56.00 (55.70 to 56.70): VN055038.D (-550) (-)

Ion 55.00 (54.70 to 55.70): VN055038.D (-550) (-)

300

250

200

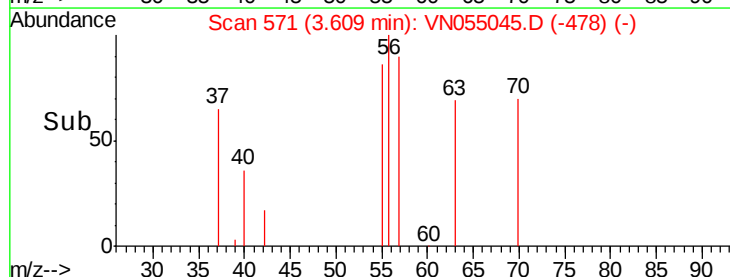
150

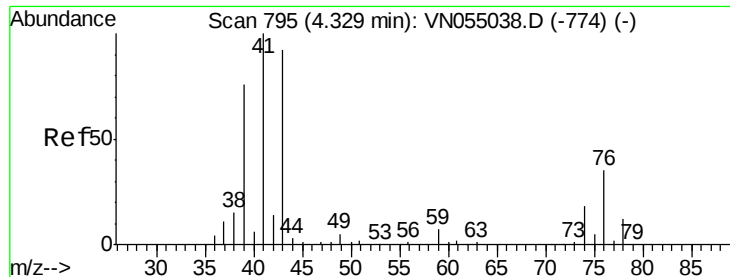
100

50

0

Time--> 3.58 3.60 3.62

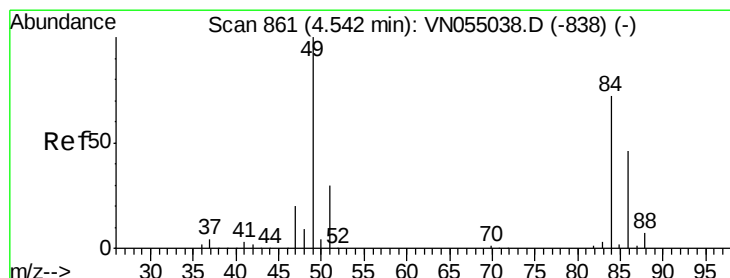
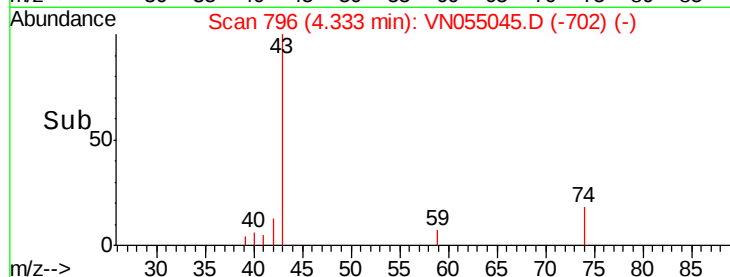
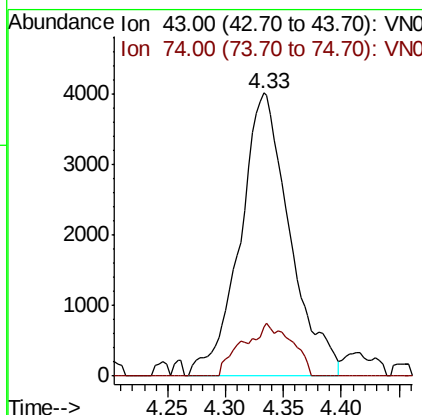
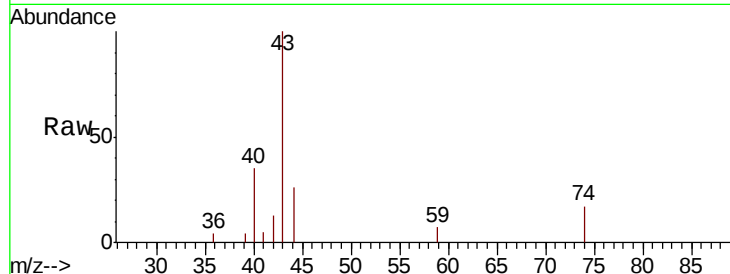




#18
Methvl Acetate
Concen: 1.780 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN055045.D
Acq: 15 Apr 2019 15:32

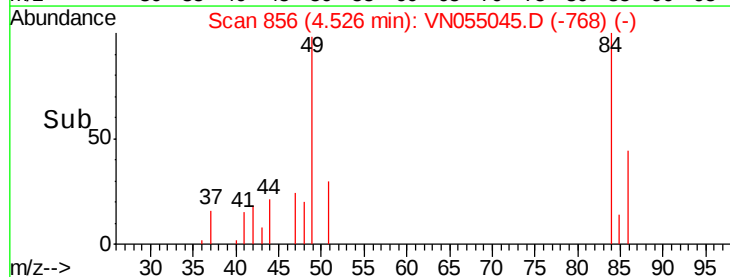
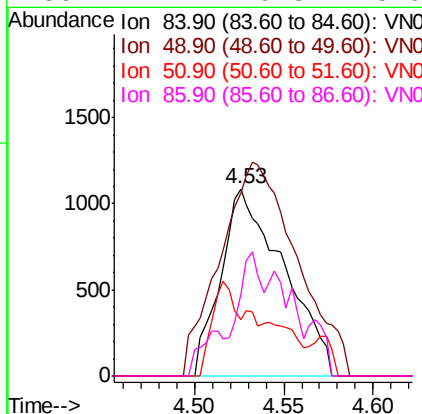
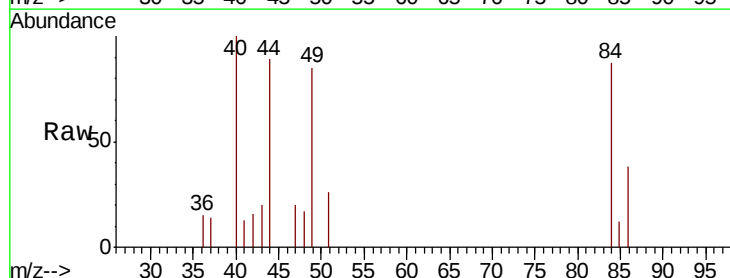
Instrument :
MSVOA_N
ClientSampleId :
TP-7-S2MERE

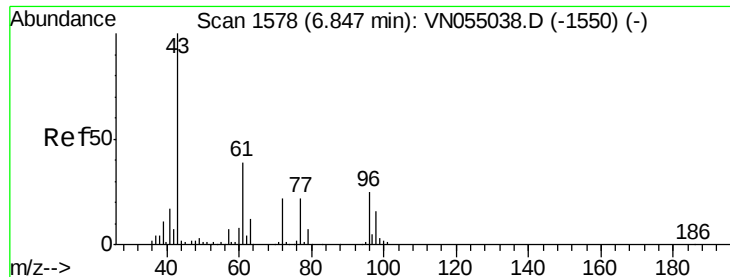
Tot Ion: 43 Resp: 11993
Ion Ratio Lower Upper
43 100
74 18.3 16.1 24.1



#20
Methylene Chloride
Concen: 0.401 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.02 min
Lab File: VN055045.D
Acq: 15 Apr 2019 15:32

Tgt Ion: 84 Resp: 2665
Ion Ratio Lower Upper
84 100
49 76.2 109.4 164.2#
51 30.0 32.2 48.4#
86 44.1 49.3 73.9#

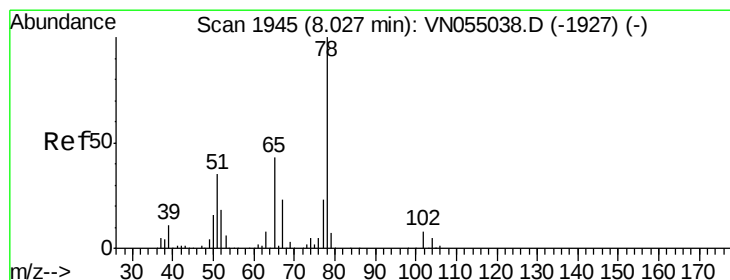
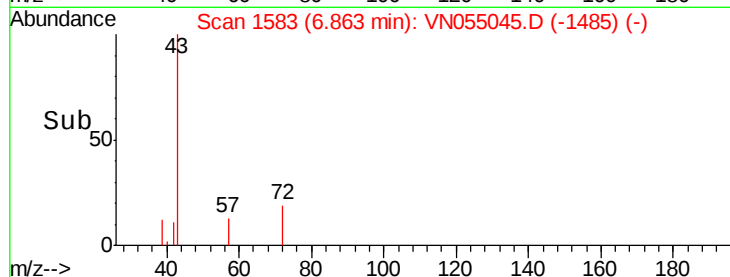
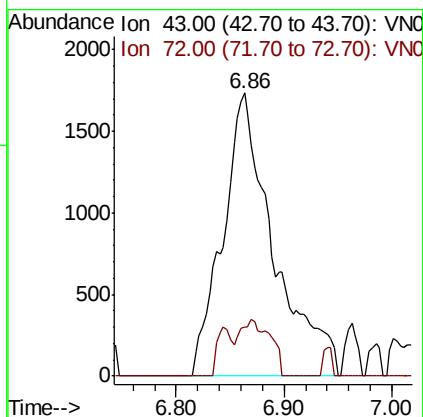
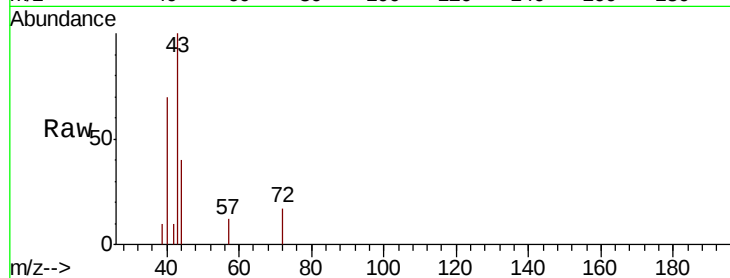




#25
2-Butanone
Concen: 2.016 ug/l
RT: 6.86 min Scan# 1583
Delta R.T. 0.02 min
Lab File: VN055045.D
Acq: 15 Apr 2019 15:32

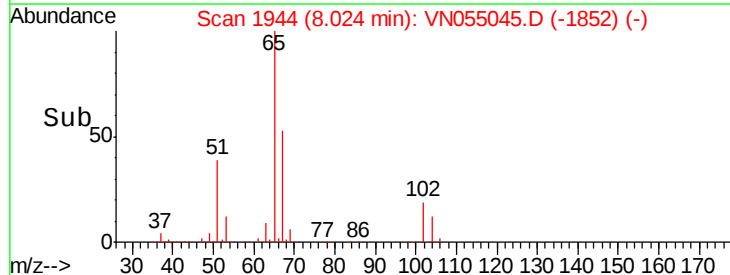
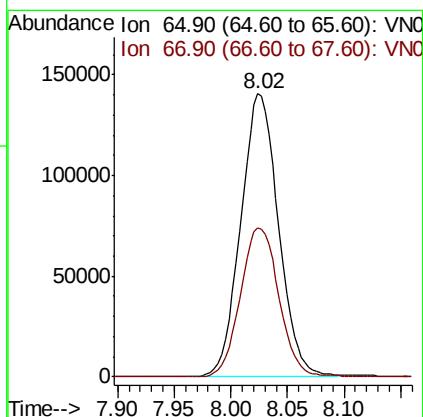
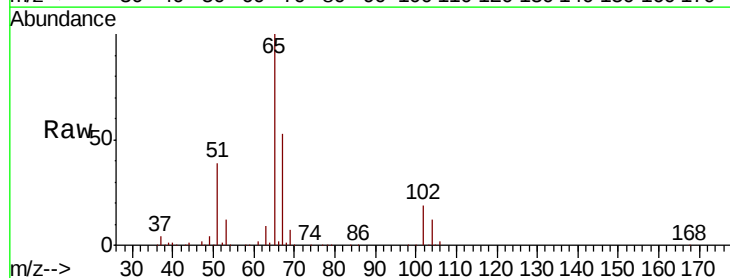
Instrument :
MSVOA_N
ClientSampleId :
TP-7-S2MERE

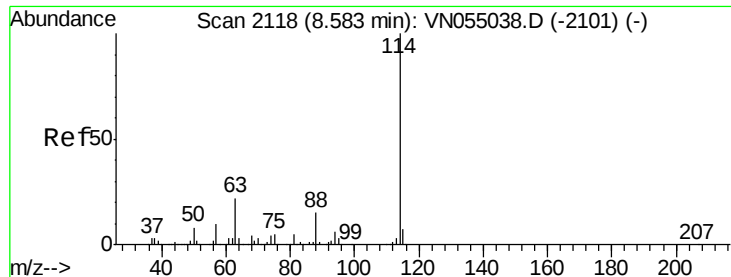
Tot Ion: 43 Resp: 5689
Ion Ratio Lower Upper
43 100
72 17.3 18.1 27.1#



#33
1,2-Dichloroethane-d4
Concen: 46.879 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN055045.D
Acq: 15 Apr 2019 15:32

Tgt Ion: 65 Resp: 326510
Ion Ratio Lower Upper
65 100
67 53.9 0.0 106.4

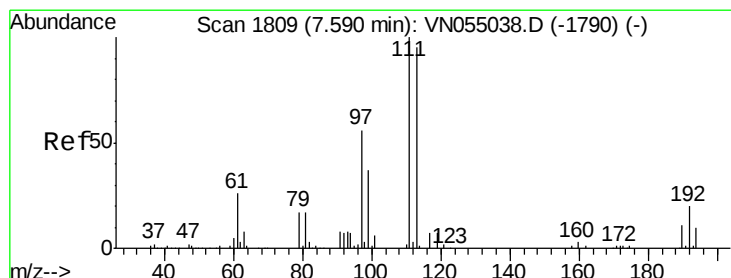
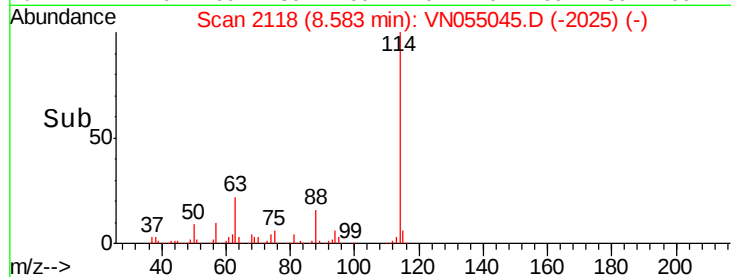
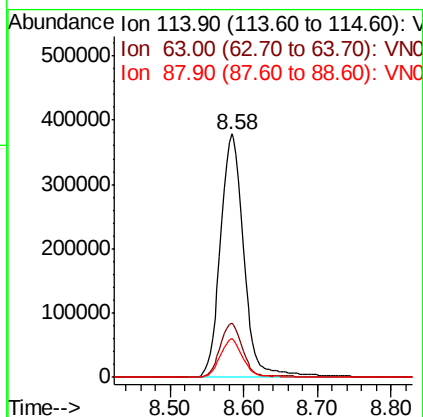
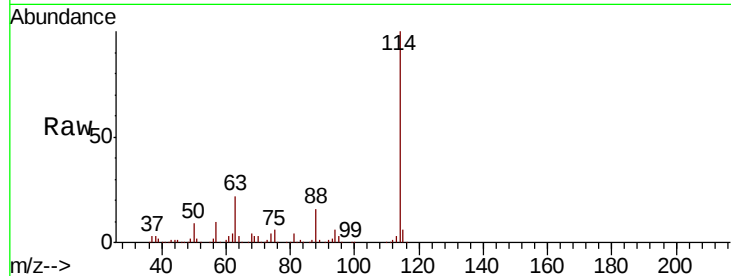




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055045.D
 Acq: 15 Apr 2019 15:32

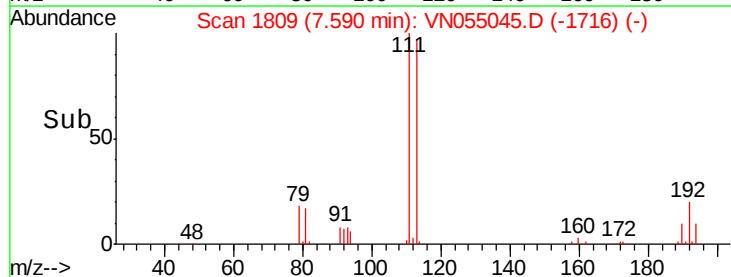
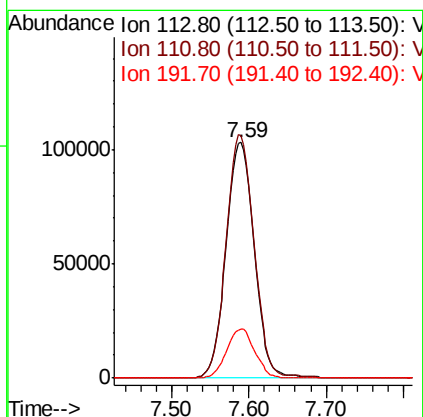
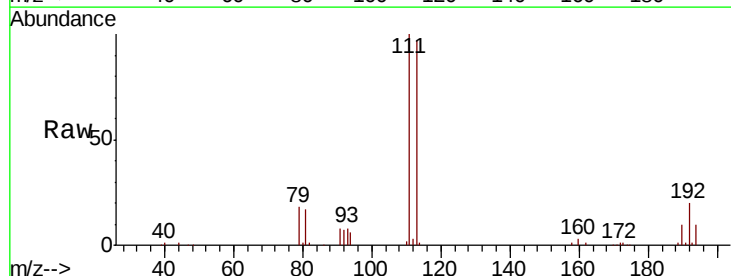
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-7-S2MERE

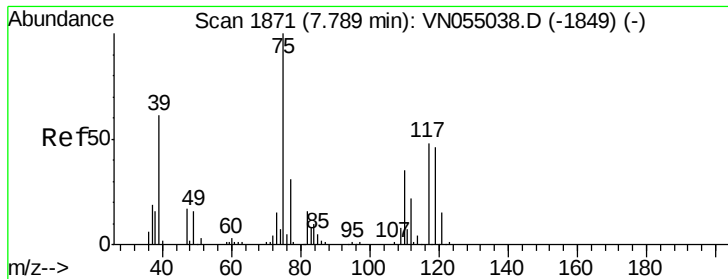
Tot Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	45.2
88	15.8	0.0	31.8



#35
 Dibromofluoromethane
 Concen: 46.697 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055045.D
 Acq: 15 Apr 2019 15:32

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.1	123.1
192	20.7	16.5	24.7





#36

1,1-Dichloropropene

Concen: 4.933 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. -0.13 min

Lab File: VN055045.D

Acq: 15 Apr 2019 15:32

Instrument :

MSVOA_N

ClientSampleId :

TP-7-S2MERE

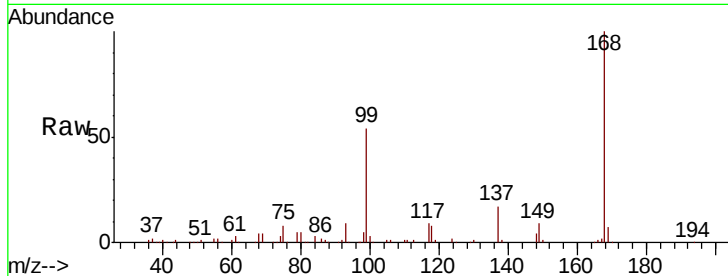
Tot Ion: 75 Resp: 38951

Ion Ratio Lower Upper

75 100

110 9.3 17.5 52.5#

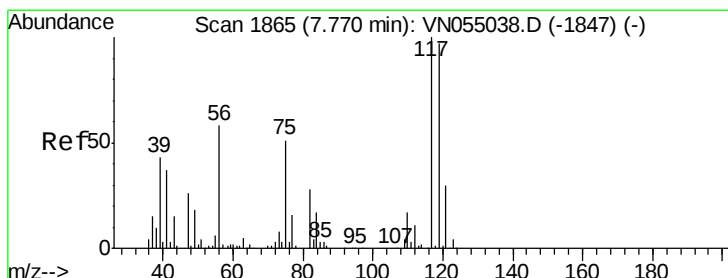
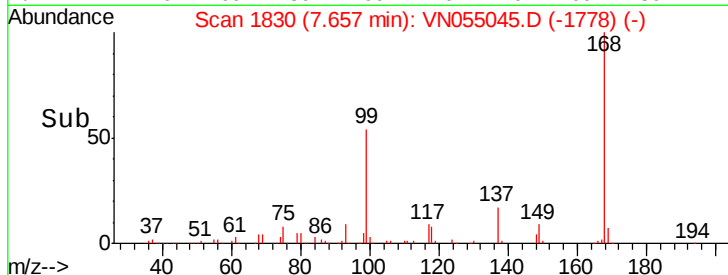
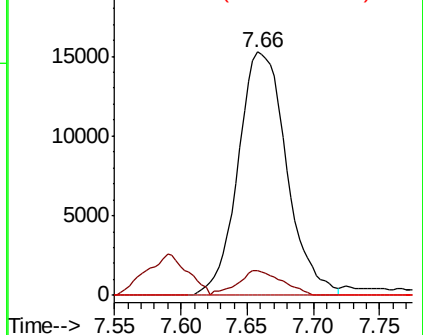
77 0.0 24.9 37.3#



Abundance Ion 74.90 (74.60 to 75.60): VN055038.D (-1849) (-)

Ion 109.90 (109.60 to 110.60): VN055038.D (-1849) (-)

Ion 76.90 (76.60 to 77.60): VN055038.D (-1849) (-)



#38

Carbon Tetrachloride

Concen: 6.418 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN055045.D

Acq: 15 Apr 2019 15:32

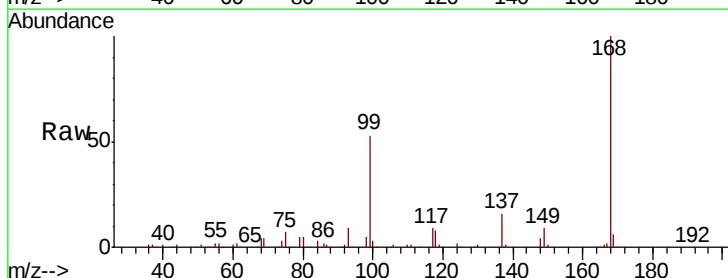
Tgt Ion: 117 Resp: 48212

Ion Ratio Lower Upper

117 100

119 6.8 76.3 114.5#

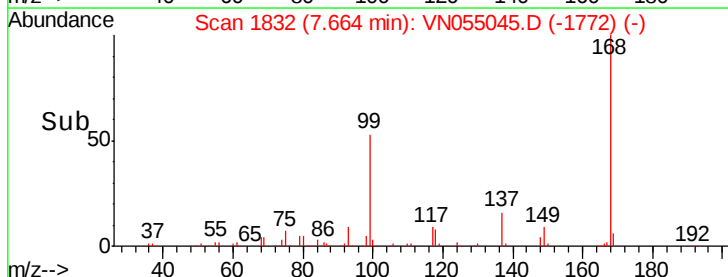
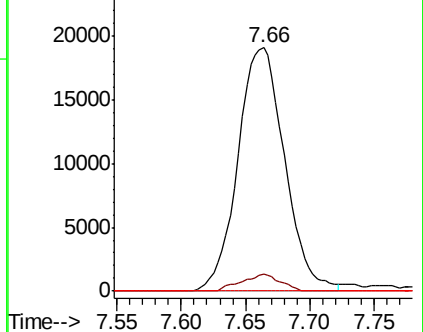
121 0.0 23.9 35.9#

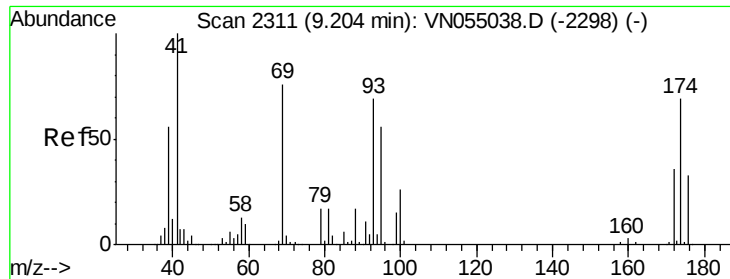


Abundance Ion 116.80 (116.50 to 117.50): VN055038.D (-1847) (-)

Ion 118.80 (118.50 to 119.50): VN055038.D (-1847) (-)

Ion 120.80 (120.50 to 121.50): VN055038.D (-1847) (-)





#49

1,4-Dioxane

Concen: 0.674 ug/l

RT: 9.17 min Scan# 2302

Delta R.T. -0.03 min

Lab File: VN055045.D

Acq: 15 Apr 2019 15:32

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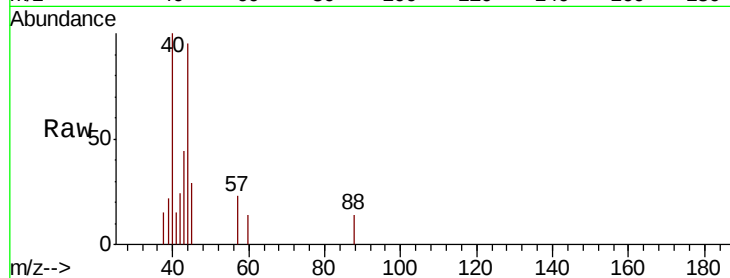
Tot Ion: 88 Resp: 31

Ion Ratio Lower Upper

88 100

43 296.8 31.8 47.8#

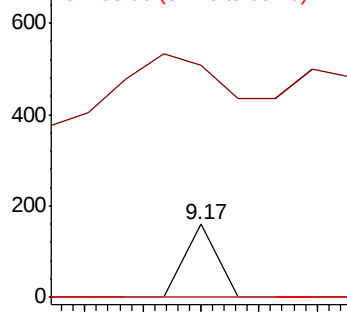
58 0.0 61.6 92.4#



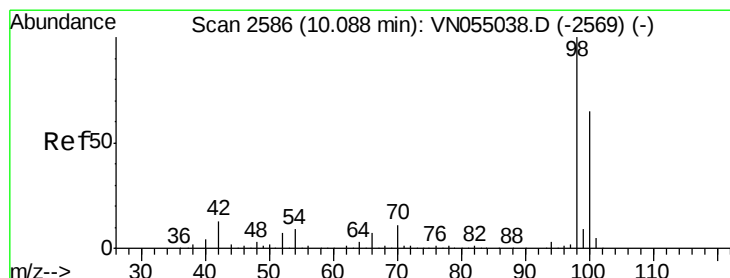
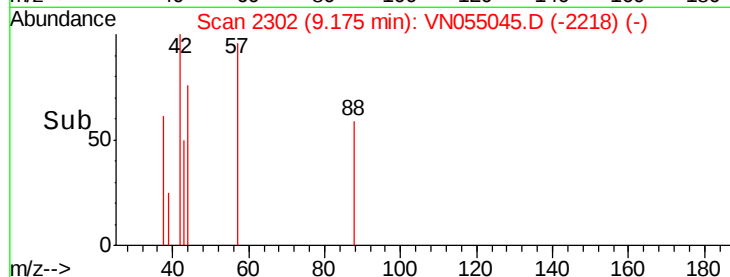
Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->



#50

Toluene-d8

Concen: 49.086 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN055045.D

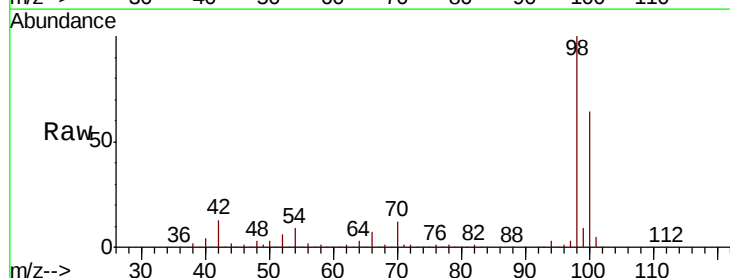
Acq: 15 Apr 2019 15:32

Tgt Ion: 98 Resp: 983351

Ion Ratio Lower Upper

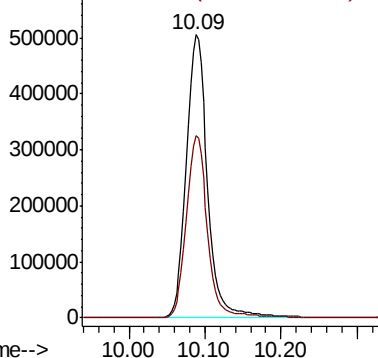
98 100

100 64.0 51.1 76.7

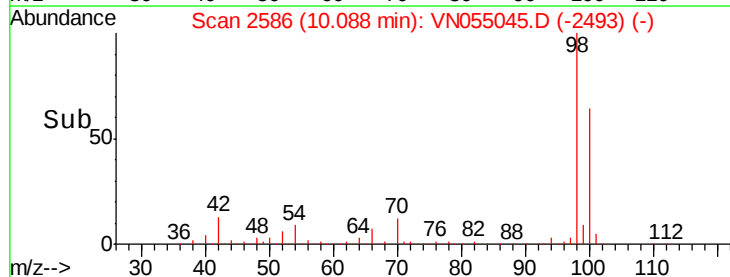


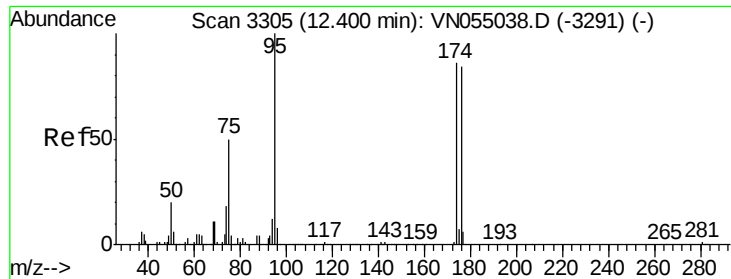
Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0



Time-->





#62

4-Bromofluorobenzene

Concen: 44.985 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055045.D

Acq: 15 Apr 2019 15:32

Instrument :

MSVOA_N

ClientSampleId :

TP-7-S2MERE

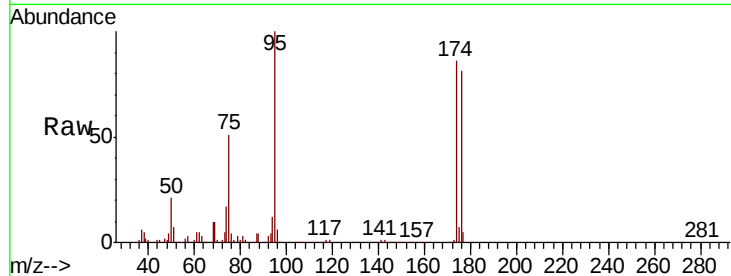
Tot Ion: 95 Resp: 292975

Ion Ratio Lower Upper

95 100

174 84.9 0.0 174.4

176 81.3 0.0 166.8

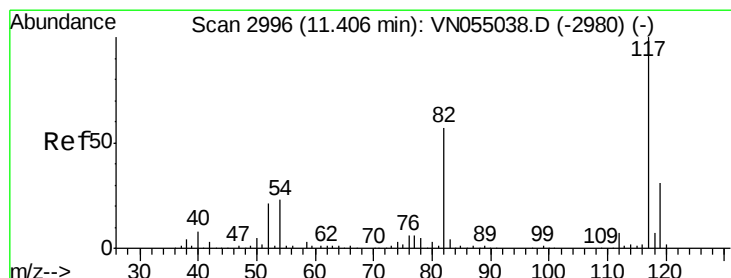
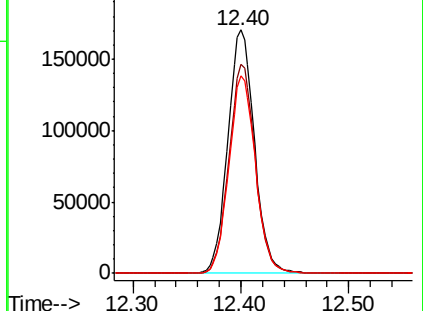
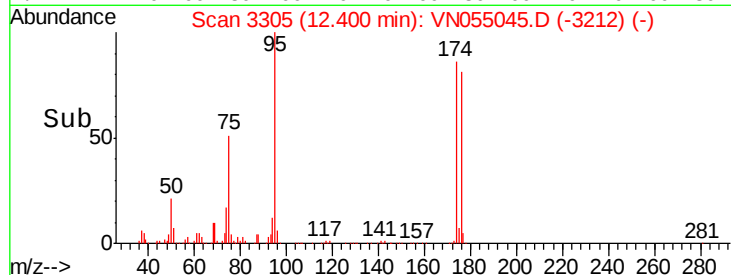


Abundance Ion 94.90 (94.60 to 95.60): VN055038.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN055038.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN055038.D (-3291) (-)

12.40



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN055045.D

Acq: 15 Apr 2019 15:32

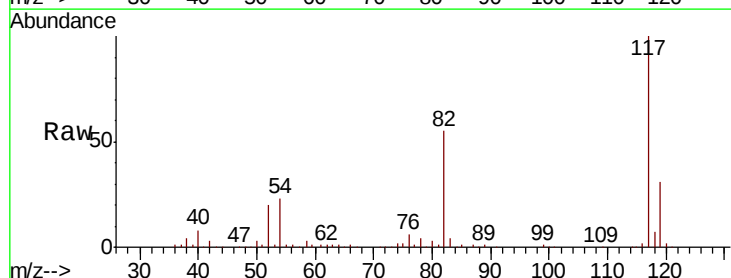
Tgt Ion: 117 Resp: 673381

Ion Ratio Lower Upper

117 100

82 55.3 44.6 66.8

119 31.3 25.5 38.3

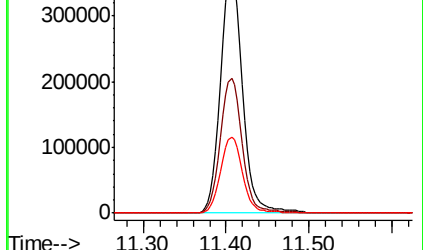
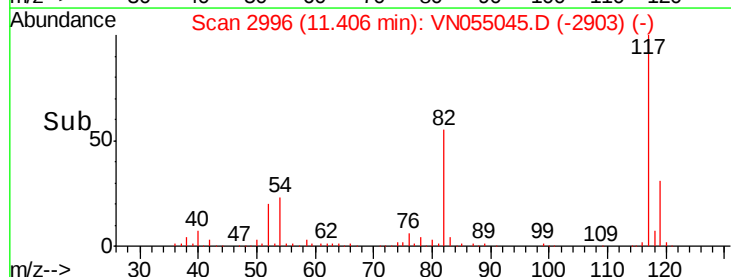


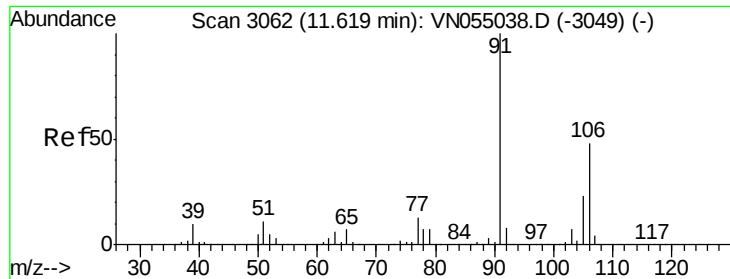
Abundance Ion 116.90 (116.60 to 117.60): VN055038.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN055038.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN055038.D (-2980) (-)

11.41

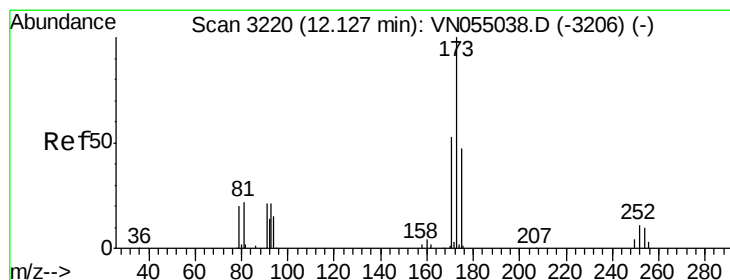
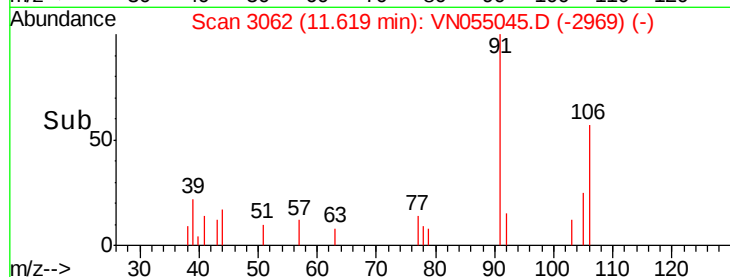
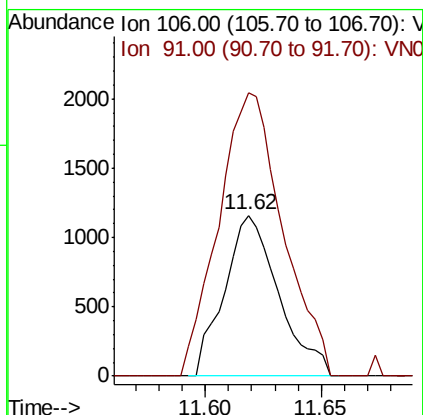
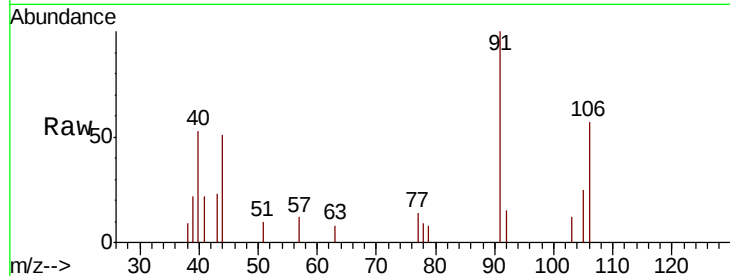




#68
m/p-Xvlenes
Concen: 0.215 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055045.D
Acq: 15 Apr 2019 15:32

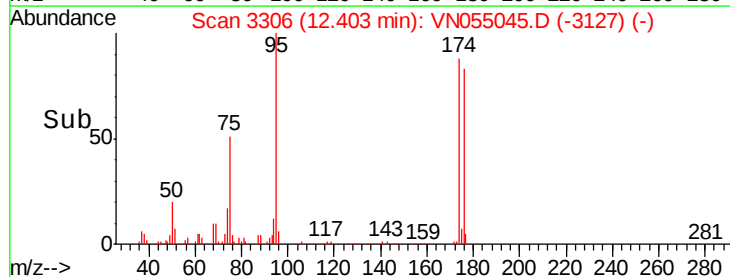
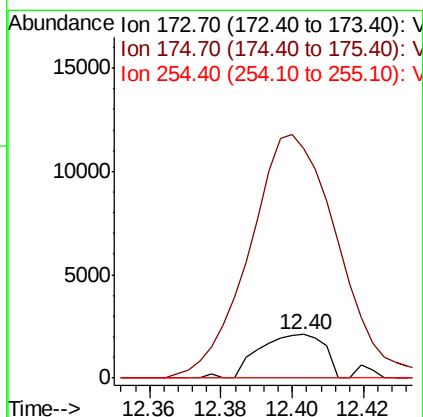
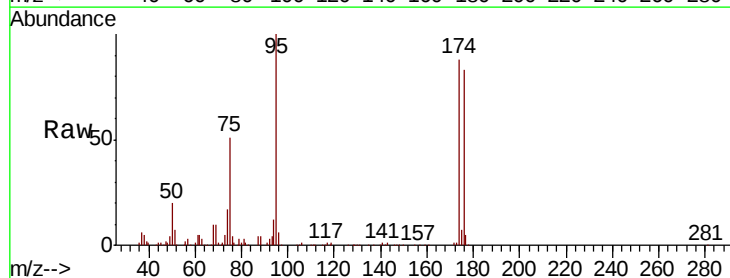
Instrument :
MSVOA_N
ClientSampleId :
TP-7-S2MERE

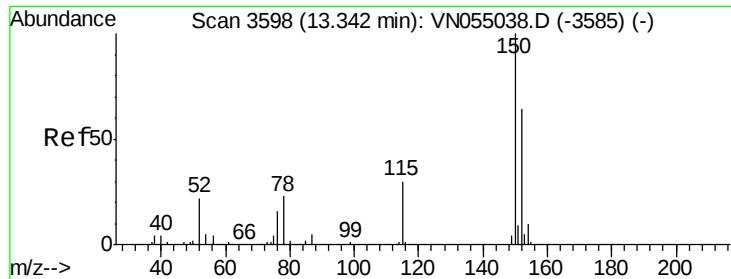
Tot Ion:106 Resp: 1884
Ion Ratio Lower Upper
106 100
91 208.8 165.9 248.9



#71
Bromoform
Concen: 0.944 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN055045.D
Acq: 15 Apr 2019 15:32

Tgt Ion:173 Resp: 2698
Ion Ratio Lower Upper
173 100
175 660.9 24.3 73.0#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055045.D

Acq: 15 Apr 2019 15:32

Instrument :

MSVOA_N

ClientSampleId :

TP-7-S2MERE

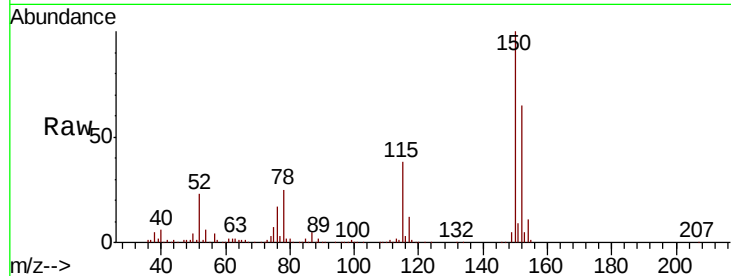
Tot Ion:152 Resp: 249895

Ion Ratio Lower Upper

152 100

115 58.0 28.5 85.6

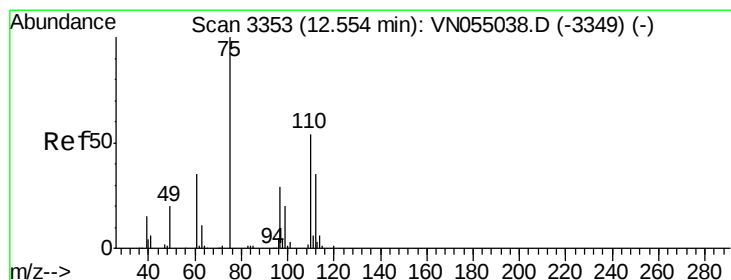
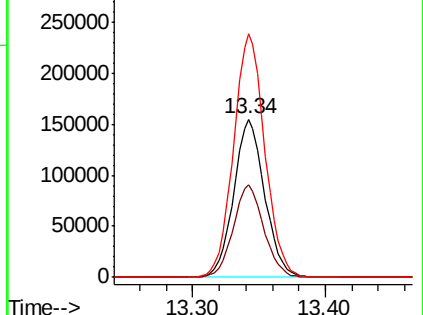
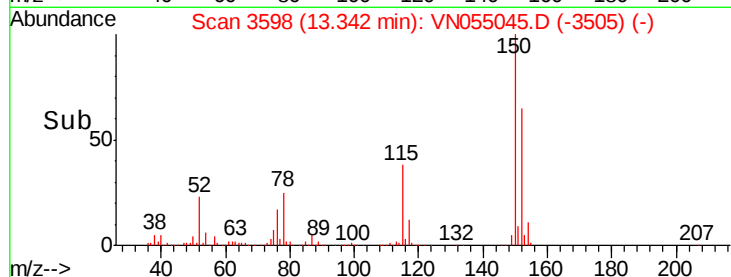
150 155.8 0.0 347.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 32.778 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055045.D

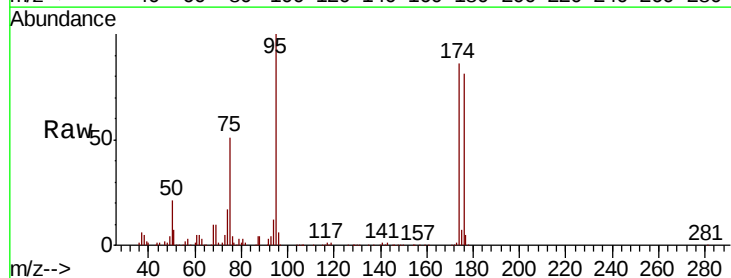
Acq: 15 Apr 2019 15:32

Tgt Ion: 75 Resp: 147296

Ion Ratio Lower Upper

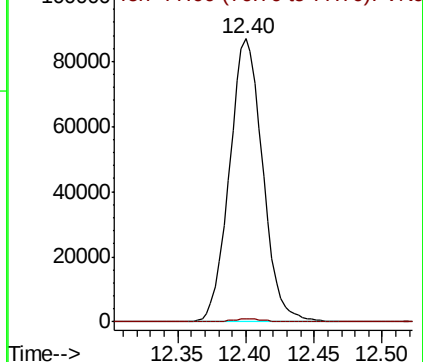
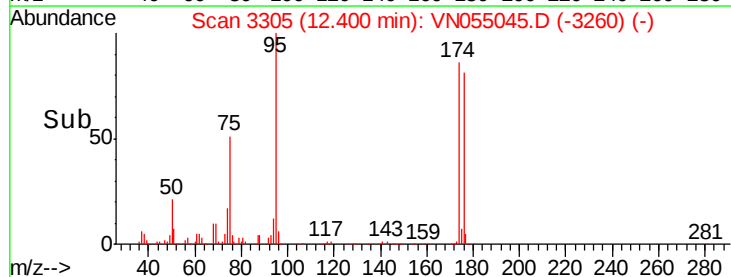
75 100

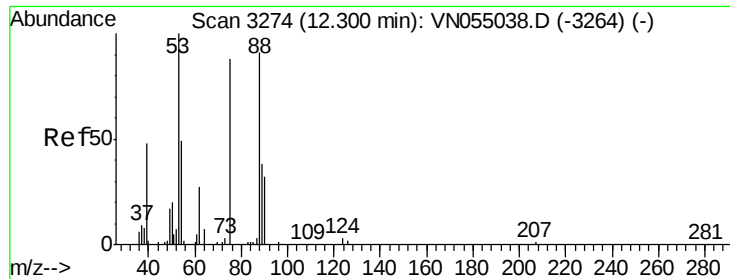
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 131.075 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055045.D

Acq: 15 Apr 2019 15:32

Instrument :

MSVOA_N

ClientSampleId :

TP-7-S2MERE

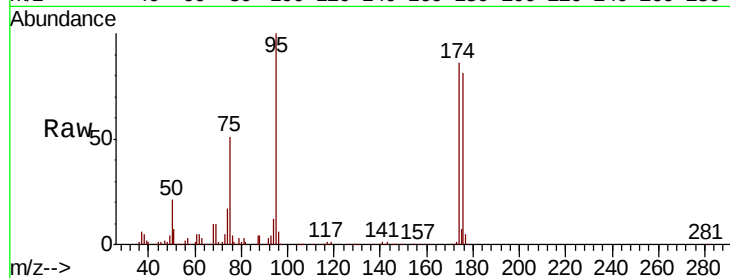
Tot Ion: 75 Resp: 147296

Ion Ratio Lower Upper

75 100

53 0.1 96.3 144.5#

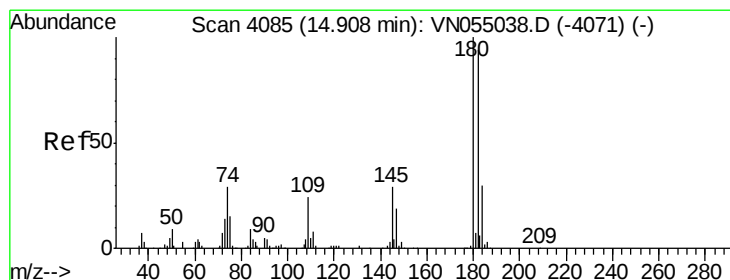
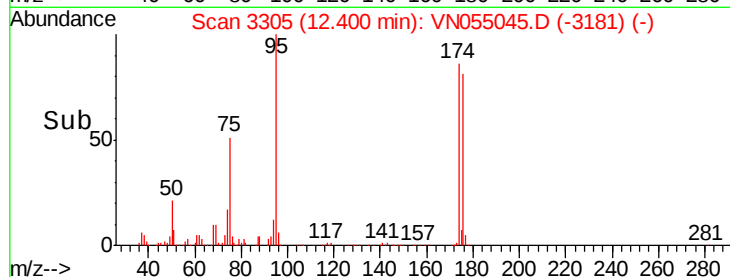
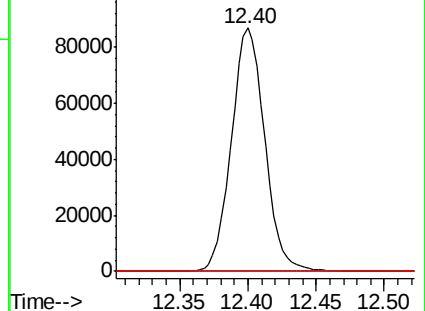
89 0.0 38.6 57.8#



Abundance Ion 74.90 (74.60 to 75.60): VN055045.D (-3305) (-)

Ion 53.00 (52.70 to 53.70): VN055045.D (-3305) (-)

Ion 88.90 (88.60 to 89.60): VN055045.D (-3305) (-)



#93

1,2,4-Trichlorobenzene

Concen: 2.925 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN055045.D

Acq: 15 Apr 2019 15:32

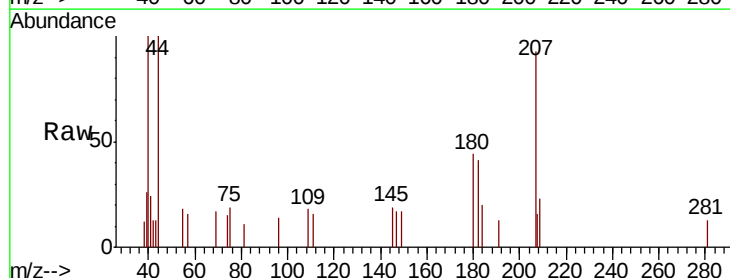
Tgt Ion: 180 Resp: 1002

Ion Ratio Lower Upper

180 100

182 108.0 47.5 142.6

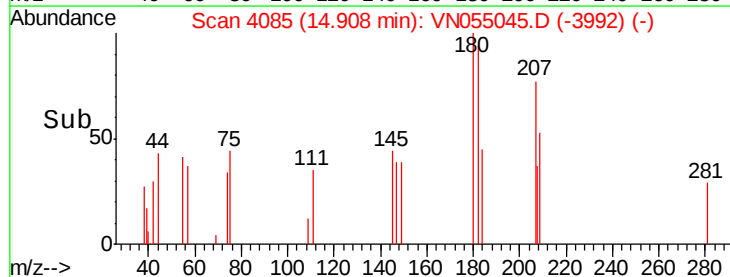
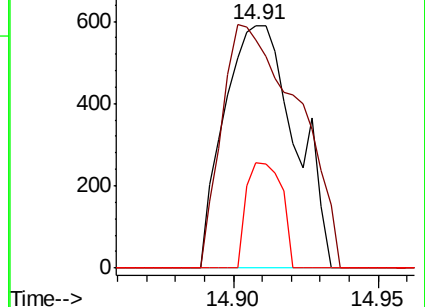
145 21.8 14.2 42.8

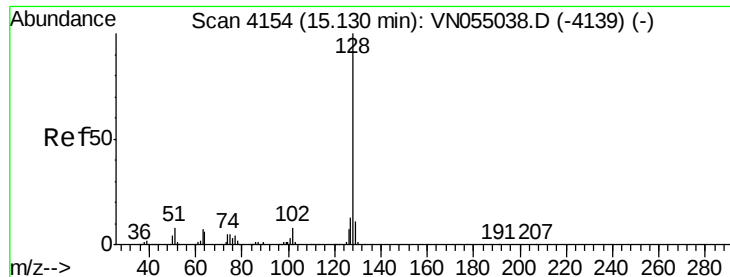


Abundance Ion 179.80 (179.50 to 180.50): VN055045.D (-4085) (-)

Ion 181.80 (181.50 to 182.50): VN055045.D (-4085) (-)

Ion 144.80 (144.50 to 145.50): VN055045.D (-4085) (-)





#95

Naphthalene

Concen: 3.606 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055045.D

Acq: 15 Apr 2019 15:32

Instrument :

MSVOA_N

ClientSampleId :

TP-7-S2MERE

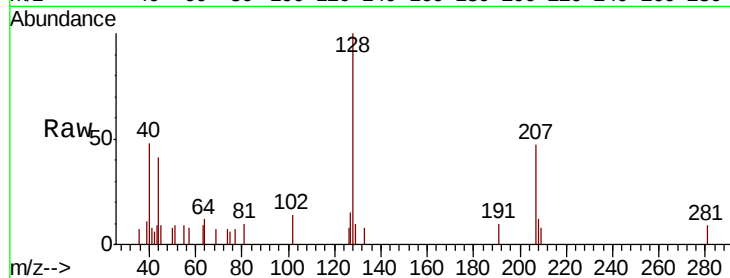
Tot Ion:128 Resp: 5031

Ion Ratio Lower Upper

128 100

127 11.9 10.1 15.1

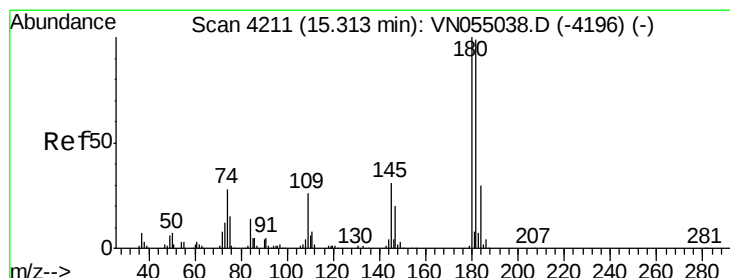
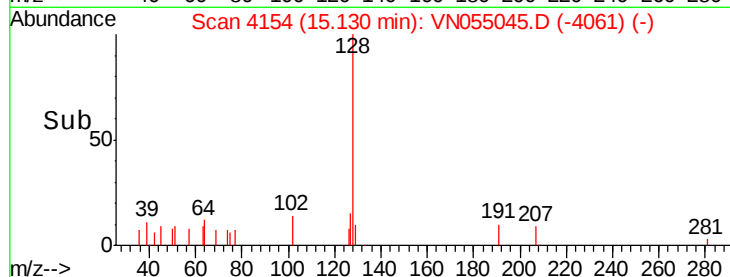
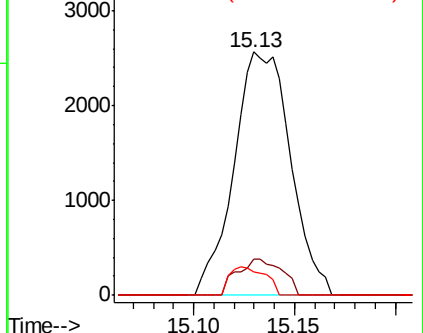
129 7.5 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 0.426 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN055045.D

Acq: 15 Apr 2019 15:32

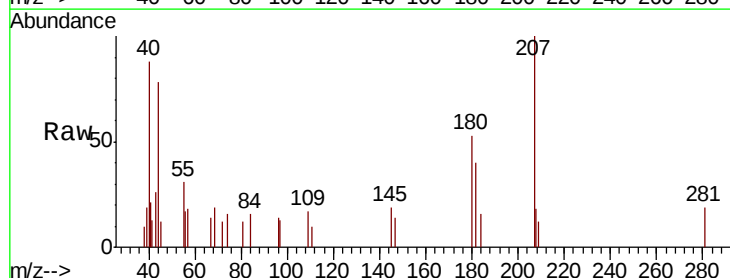
Tgt Ion:180 Resp: 1390

Ion Ratio Lower Upper

180 100

182 87.7 48.0 144.0

145 33.8 15.3 45.9



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

