

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050919\
 Data File : VN055487.D
 Acq On : 9 May 2019 10:59
 Operator : JC/SP
 Sample : VN0509WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 10 04:10:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N050819W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 04:17:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	880860	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1485985	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1257475	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	342654	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	674894	50.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.78%	
35) Dibromofluoromethane	7.59	113	509886	53.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.38%	
50) Toluene-d8	10.09	98	1971817	52.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.58%	
62) 4-Bromofluorobenzene	12.40	95	578419	45.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.84%	

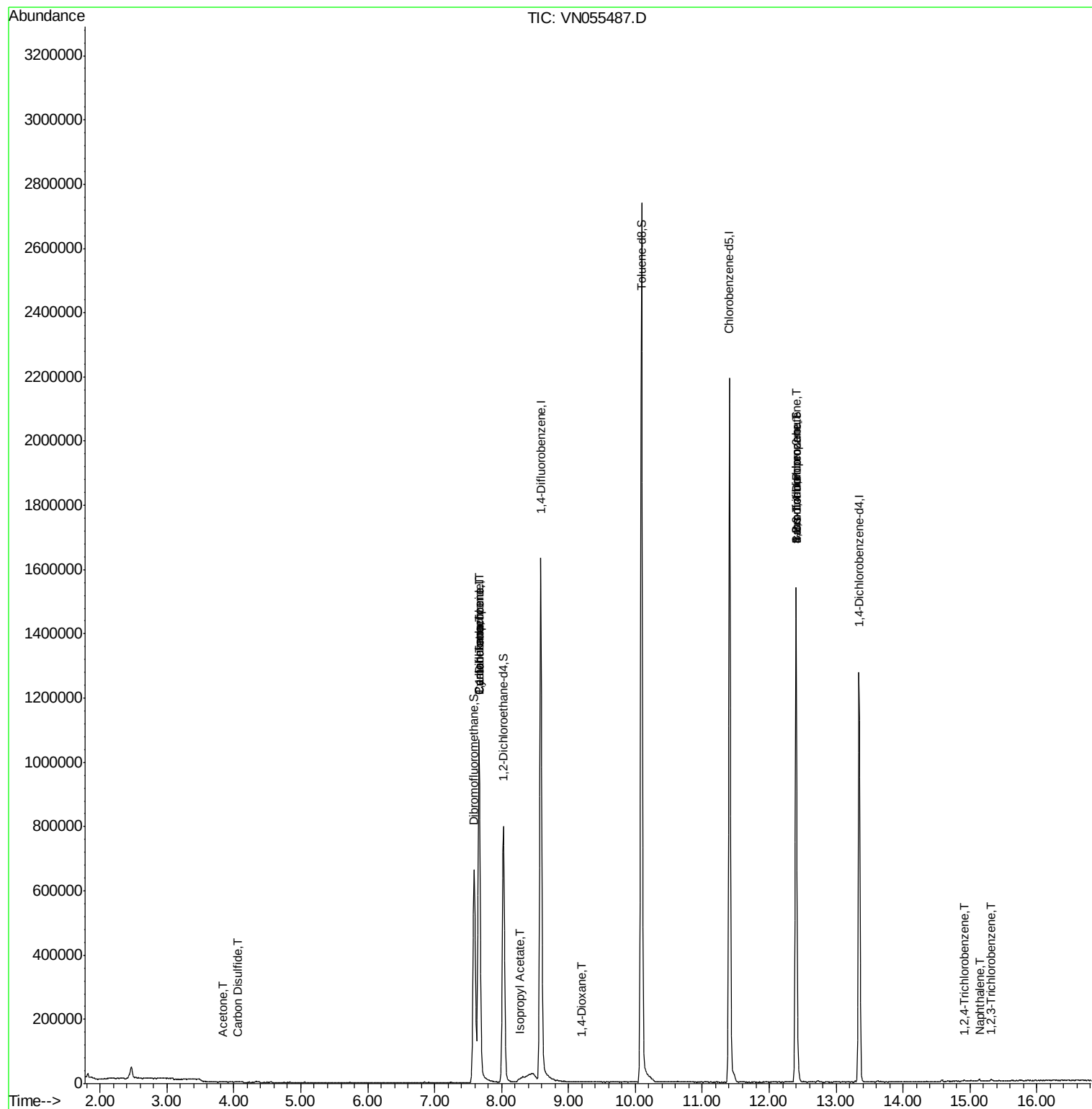
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.83	43	1475	0.240	ug/l	95
17) Carbon Disulfide	4.05	76	5521	0.210	ug/l #	75
18) Methyl Acetate	4.33	43	3835	Below Cal		95
31) Cyclohexane	7.66	56	19172	0.896	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	71068	4.855	ug/l #	50
38) Carbon Tetrachloride	7.66	117	84024	6.816	ug/l #	16
43) Isopropyl Acetate	8.27	43	7365	0.304	ug/l #	63
49) 1,4-Dioxane	9.20	88	61	0.268	ug/l #	1
71) Bromoform	12.40	173	4296	0.715	ug/l #	1
73) Isopropylbenzene	12.25	105	984	Below Cal		89
75) 1,1,2,2-Tetrachloroethane	12.50	83	171	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.40	75	287908	30.864	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	287908	113.885	ug/l #	7
93) 1,2,4-Trichlorobenzene	14.90	180	1303	3.445	ug/l	87
94) Hexachlorobutadiene	15.01	225	654	Below Cal		88
95) Naphthalene	15.14	128	5022	3.268	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.31	180	1768	2.729	ug/l	100

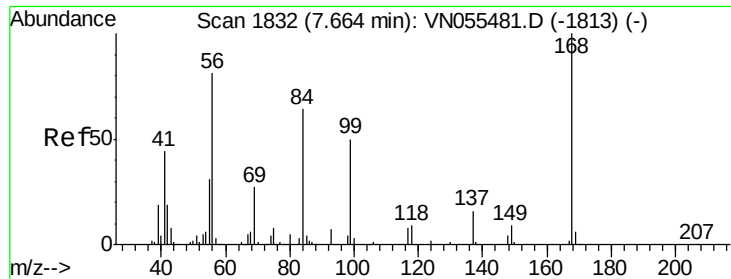
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN055487.D

Acq: 9 May 2019 10:59

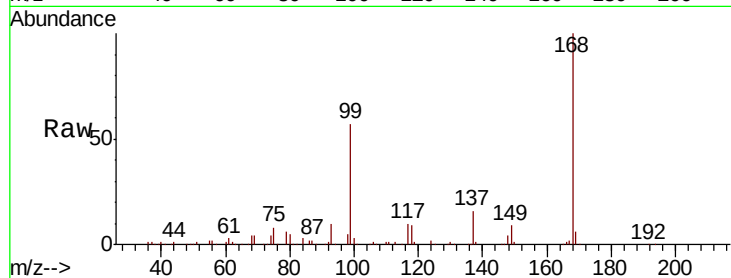
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 880860

Ion Ratio Lower Upper

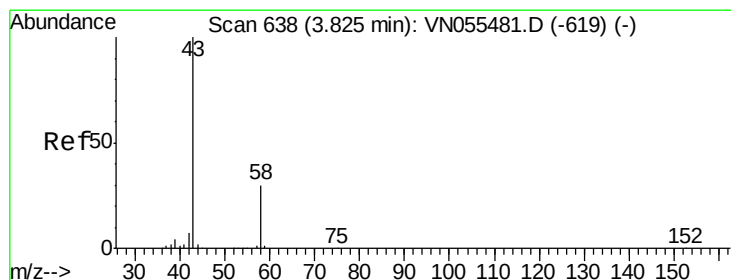
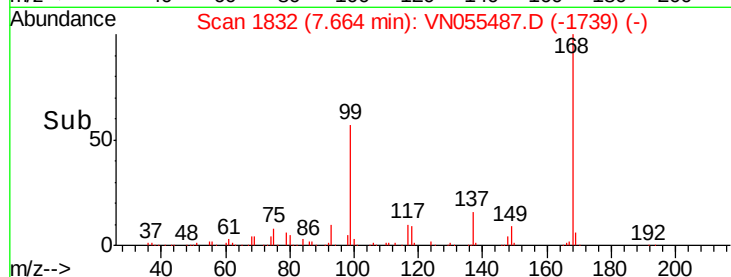
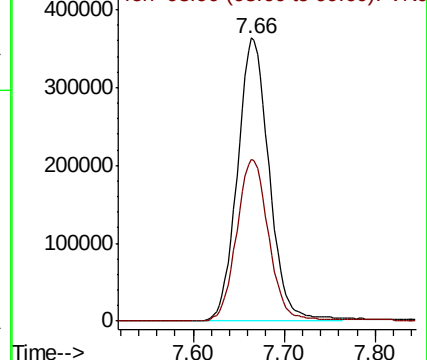
168 100

99 57.4 47.0 70.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#16

Acetone

Concen: 0.240 ug/l

RT: 3.83 min Scan# 641

Delta R.T. 0.01 min

Lab File: VN055487.D

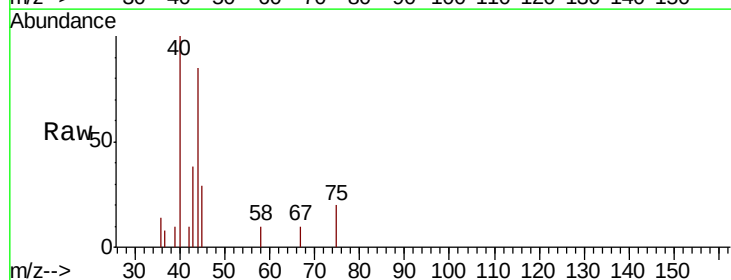
Acq: 9 May 2019 10:59

Tgt Ion: 43 Resp: 1475

Ion Ratio Lower Upper

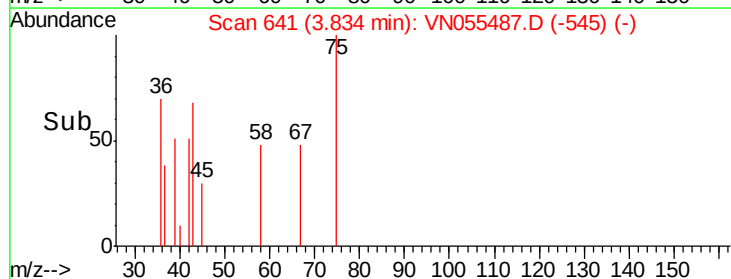
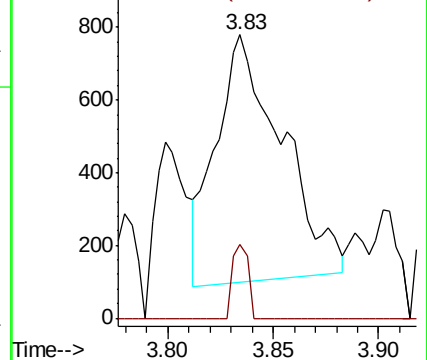
43 100

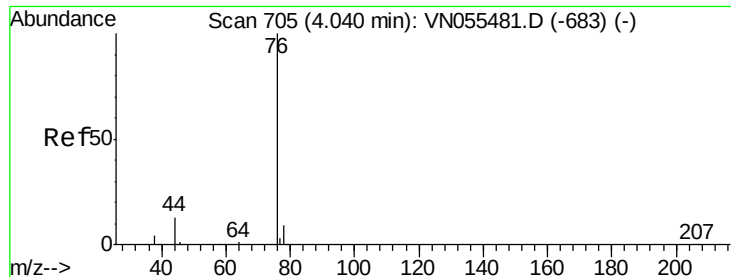
58 33.2 24.2 36.2



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN





#17

Carbon Disulfide

Concen: 0.210 ug/l

RT: 4.05 min Scan# 708

Delta R.T. 0.01 min

Lab File: VN055487.D

Acq: 9 May 2019 10:59

Instrument :

MSVOA_N

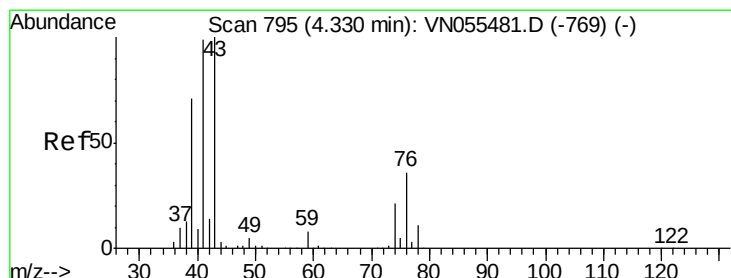
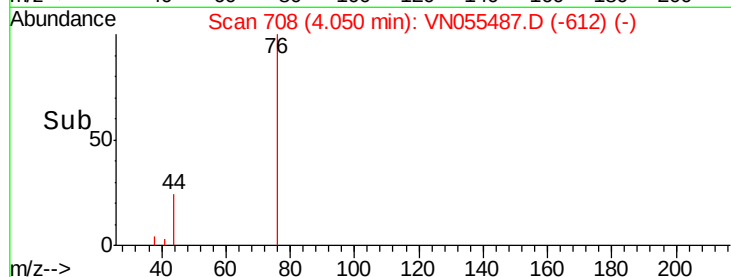
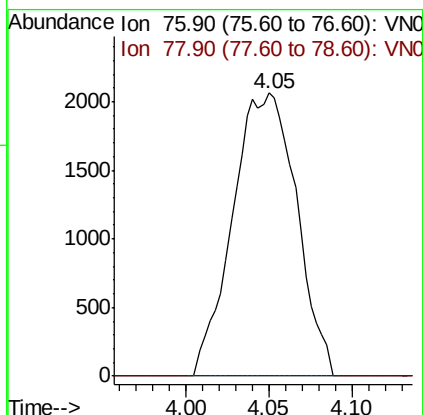
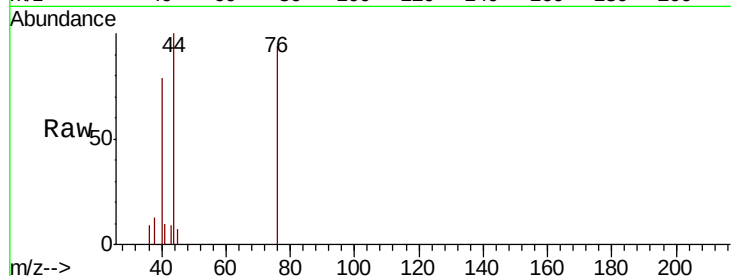
ClientSampled :

Tot Ion: 76 Resp: 5521

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.0#



#18

Methyl Acetate

Concen: Below Cal

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN055487.D

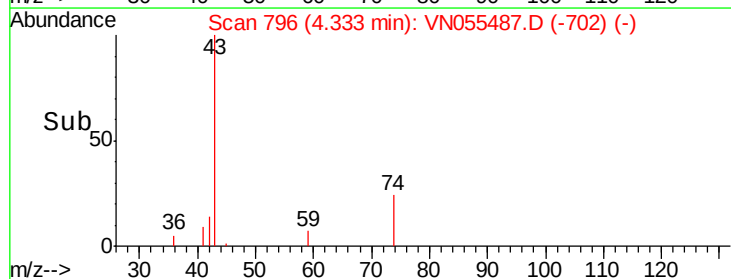
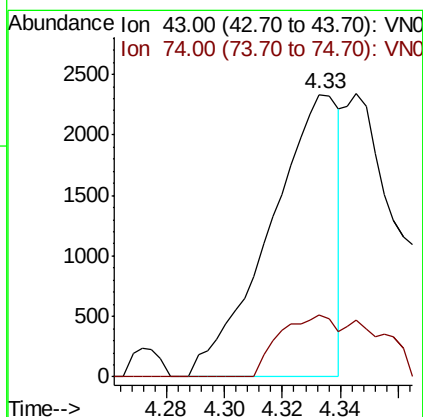
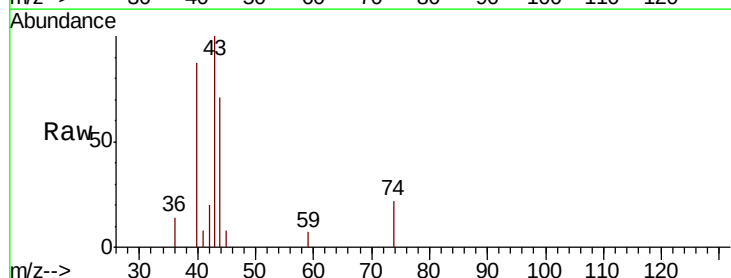
Acq: 9 May 2019 10:59

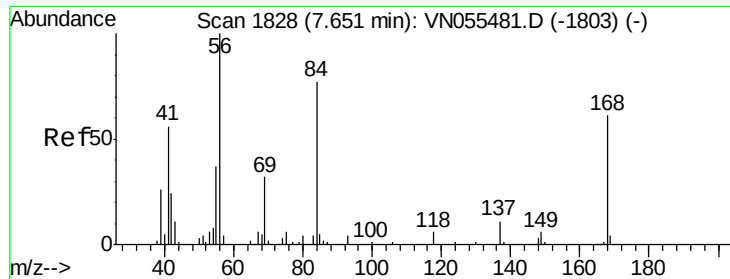
Tgt Ion: 43 Resp: 3835

Ion Ratio Lower Upper

43 100

74 18.0 16.3 24.5

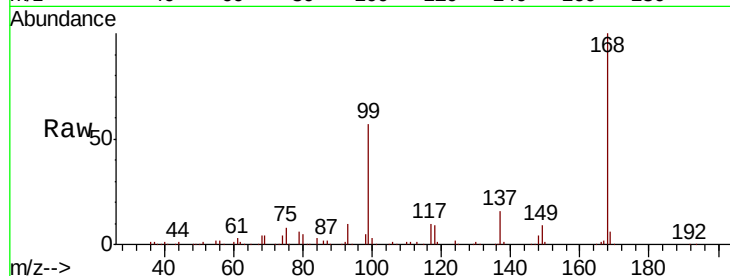




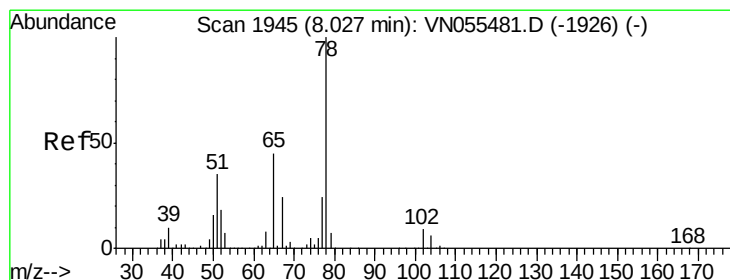
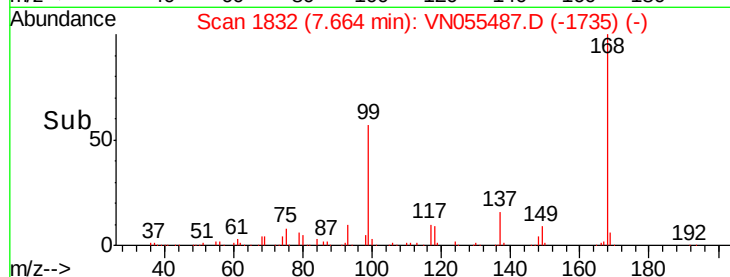
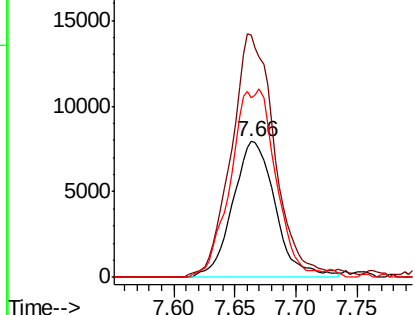
#31
Cyclohexane
Concen: 0.896 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN055487.D
Acq: 9 May 2019 10:59

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 19172
Ion Ratio Lower Upper
56 100
69 177.1 26.0 39.0#
84 132.9 61.9 92.9#

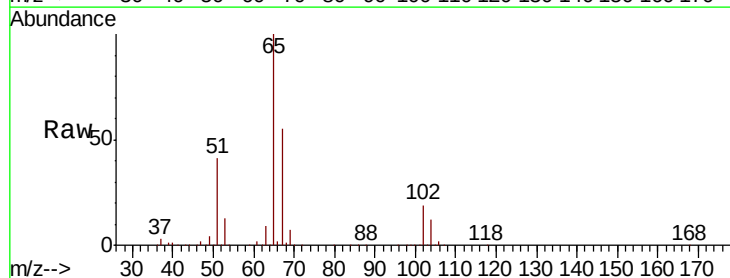


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

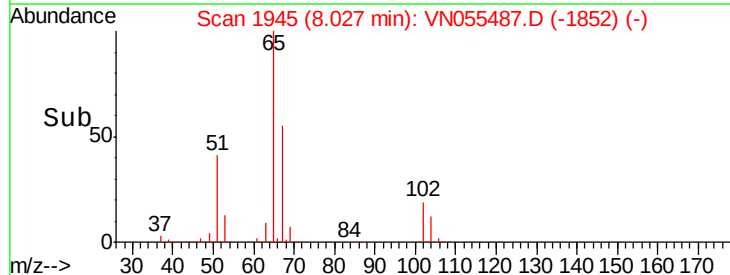
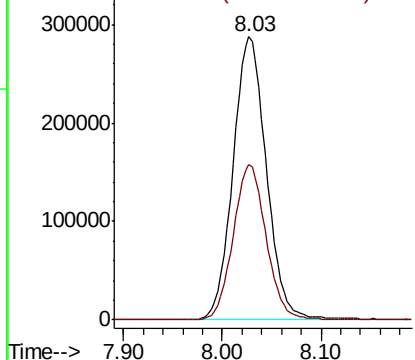


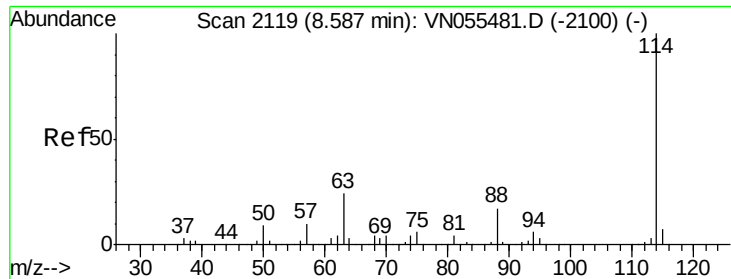
#33
1,2-Dichloroethane-d4
Concen: 50.886 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN055487.D
Acq: 9 May 2019 10:59

Tgt Ion: 65 Resp: 674894
Ion Ratio Lower Upper
65 100
67 54.2 0.0 109.6



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

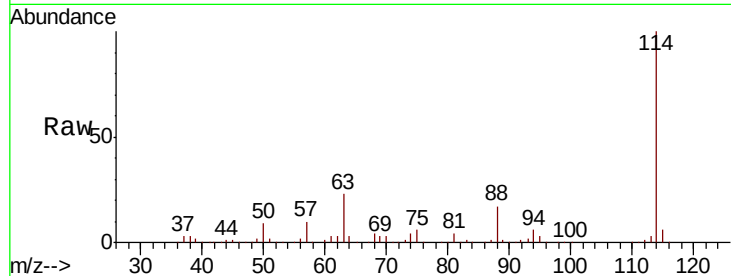




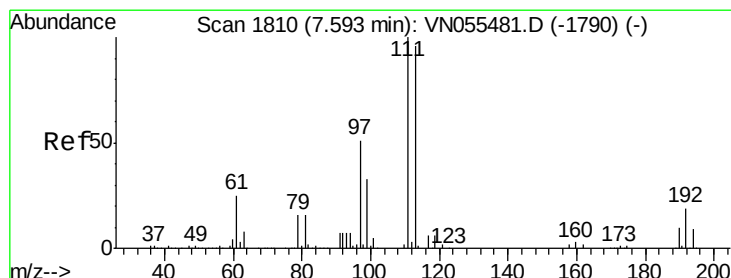
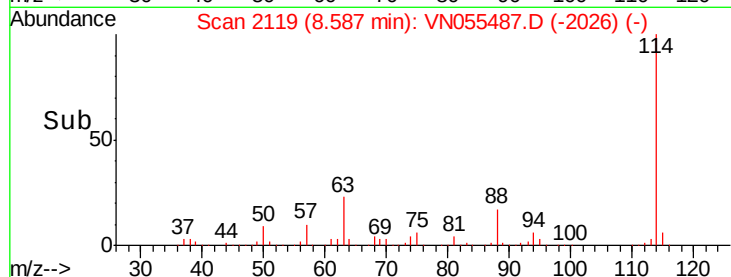
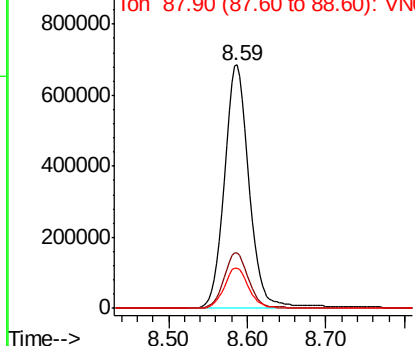
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN055487.D
 Acq: 9 May 2019 10:59

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 1485985
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 47.4
 88 16.6 0.0 34.0

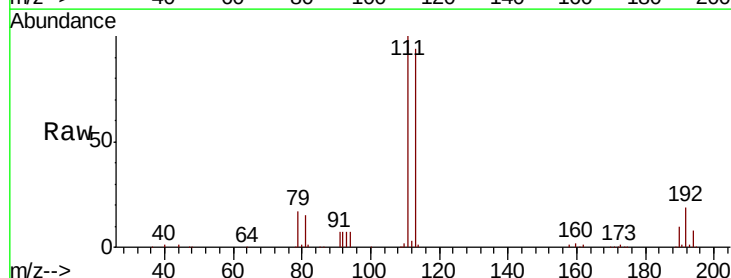


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

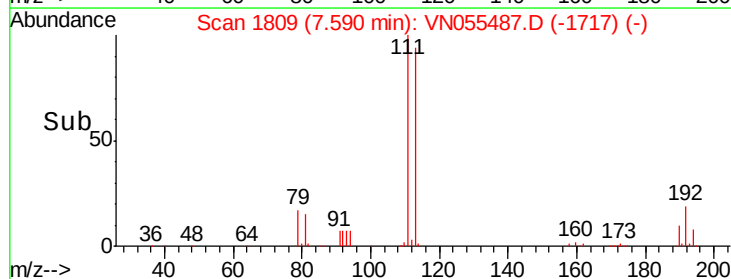
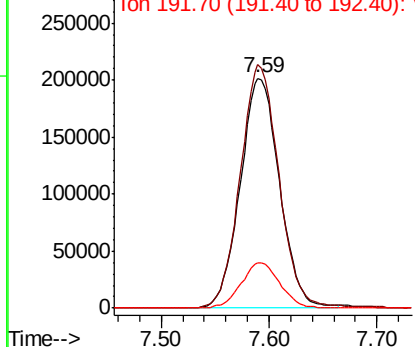


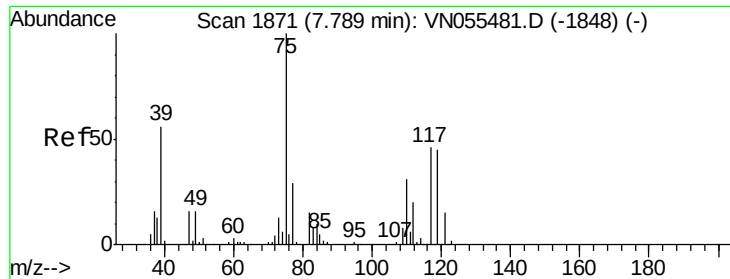
#35
 Dibromofluoromethane
 Concen: 53.192 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN055487.D
 Acq: 9 May 2019 10:59

Tgt Ion:113 Resp: 509886
 Ion Ratio Lower Upper
 113 100
 111 104.5 82.9 124.3
 192 19.6 15.6 23.4



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

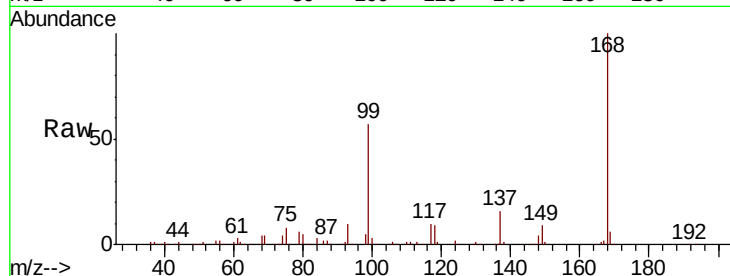




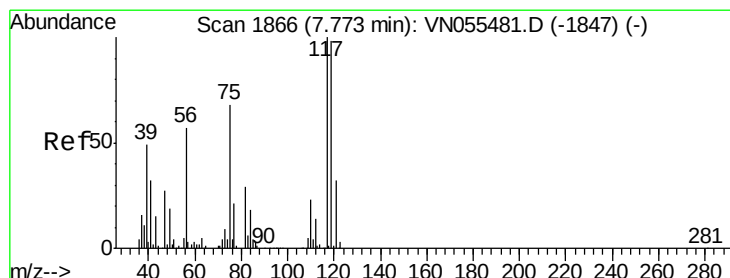
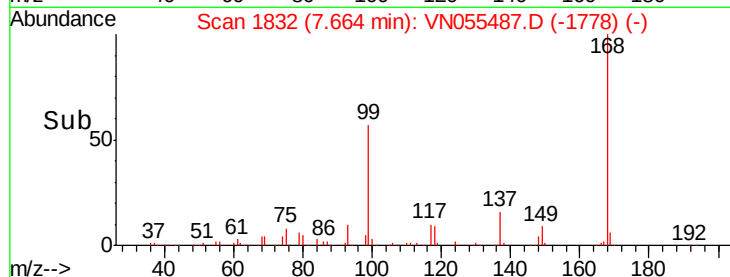
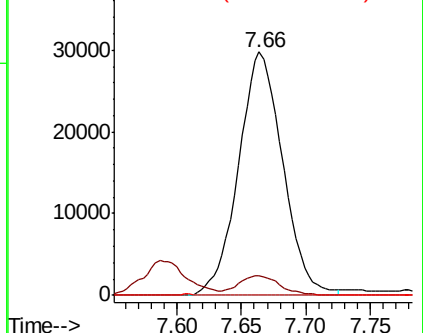
#36
 1,1-Dichloropropene
 Concen: 4.855 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN055487.D
 Acq: 9 May 2019 10:59

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 75 Resp: 71068
 Ion Ratio Lower Upper
 75 100
 110 7.7 16.1 48.3#
 77 0.0 24.6 37.0#

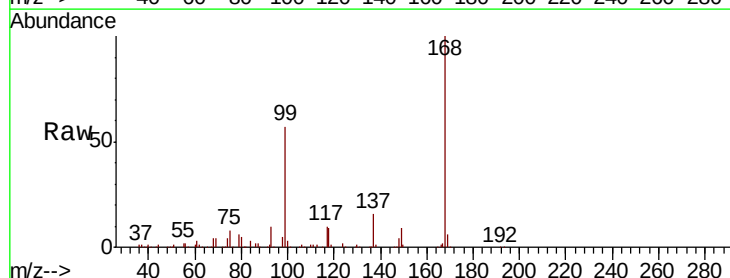


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0

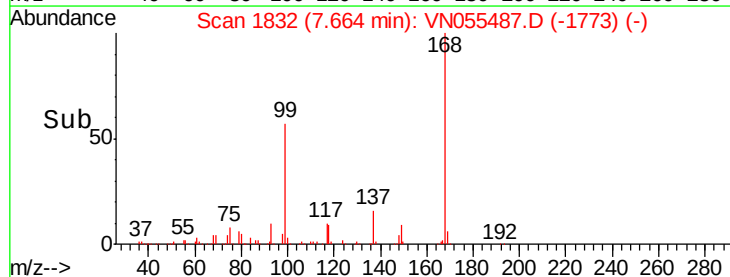
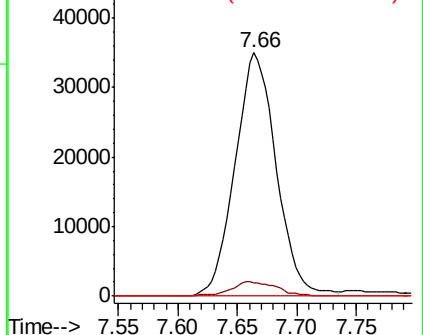


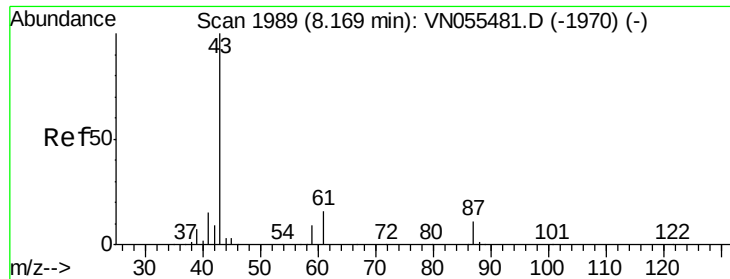
#38
 Carbon Tetrachloride
 Concen: 6.816 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN055487.D
 Acq: 9 May 2019 10:59

Tgt Ion: 117 Resp: 84024
 Ion Ratio Lower Upper
 117 100
 119 5.6 77.8 116.6#
 121 0.0 25.2 37.8#



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: 0.304 ug/l

RT: 8.27 min Scan# 2019

Delta R.T. 0.10 min

Lab File: VN055487.D

Acq: 9 May 2019 10:59

Instrument :

MSVOA_N

ClientSampled :

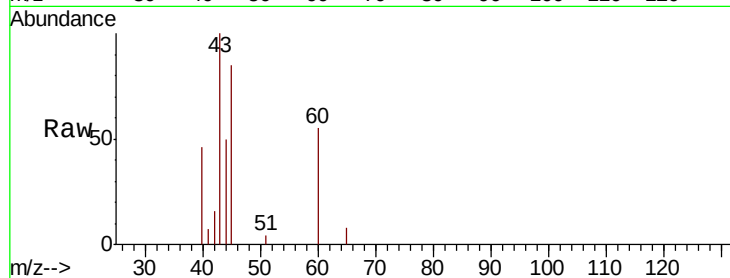
Tot Ion: 43 Resp: 7365

Ion Ratio Lower Upper

43 100

61 0.0 15.1 22.7#

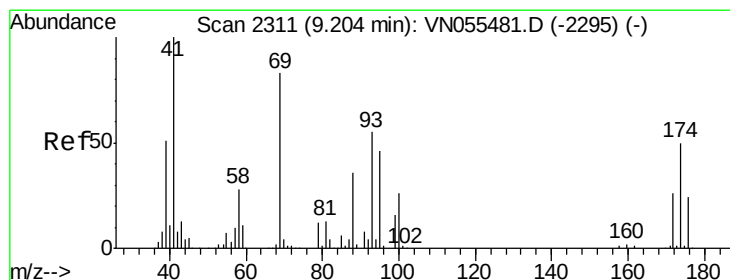
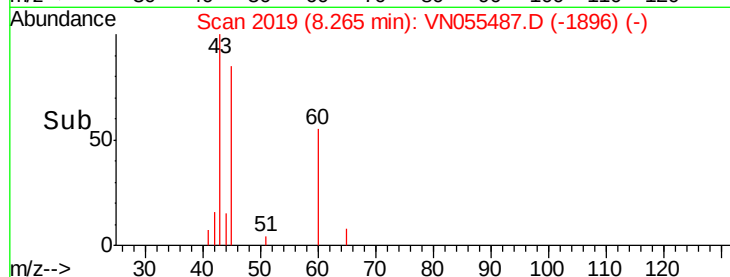
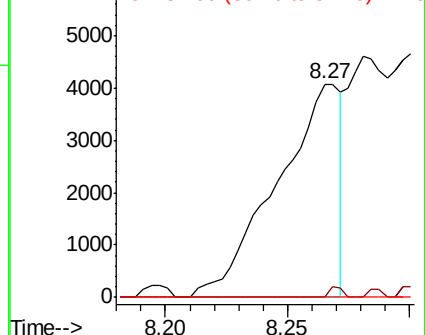
87 0.0 9.0 13.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#49

1,4-Dioxane

Concen: 0.268 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.01 min

Lab File: VN055487.D

Acq: 9 May 2019 10:59

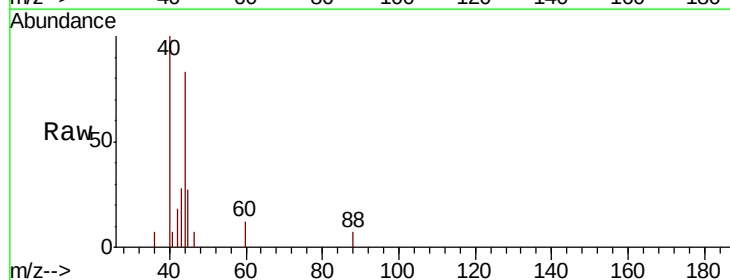
Tgt Ion: 88 Resp: 61

Ion Ratio Lower Upper

88 100

43 795.1 27.8 41.8#

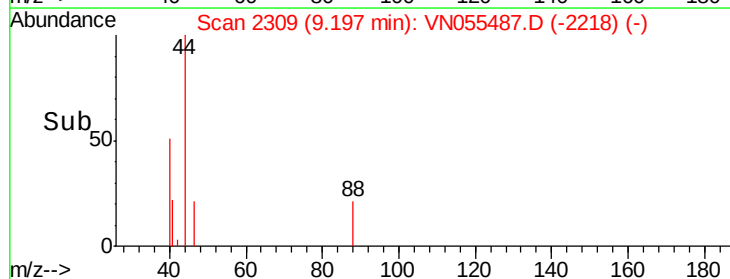
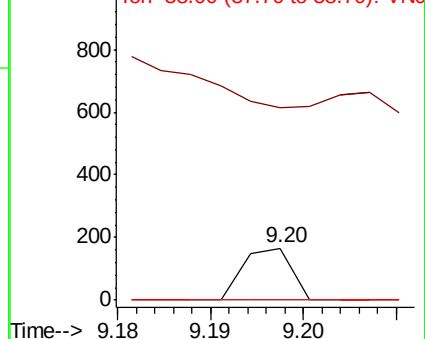
58 0.0 61.8 92.6#

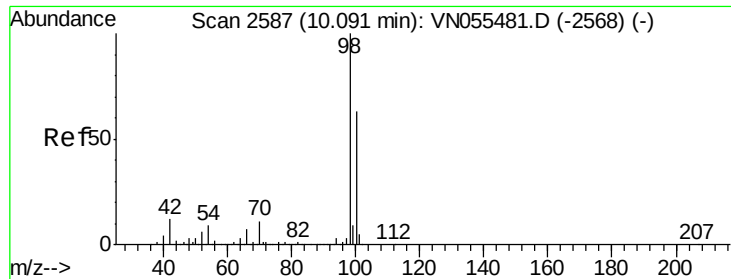


Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#50

Toluene-d8

Concen: 52.786 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN055487.D

Acq: 9 May 2019 10:59

Instrument :

MSVOA_N

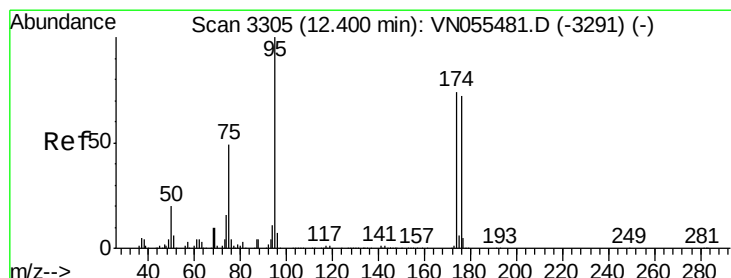
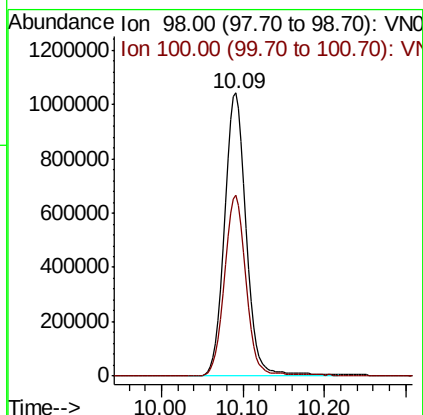
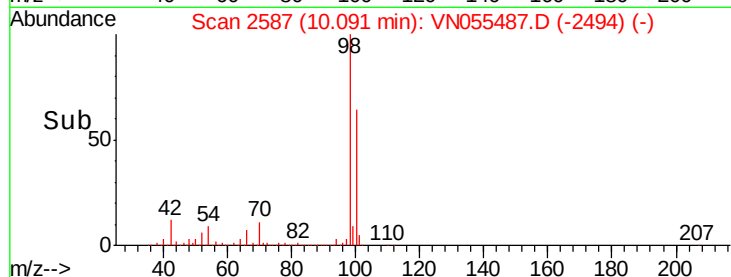
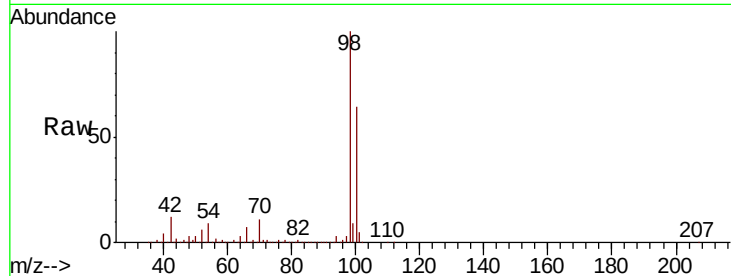
ClientSampleId :

Tot Ion: 98 Resp: 1971817

Ion Ratio Lower Upper

98 100

100 63.8 50.4 75.6



#62

4-Bromofluorobenzene

Concen: 45.922 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN055487.D

Acq: 9 May 2019 10:59

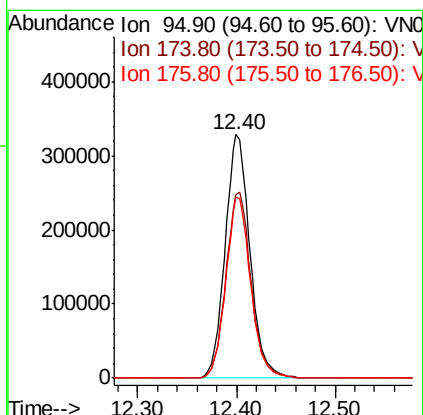
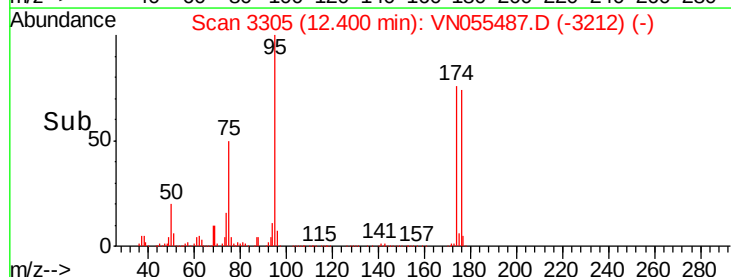
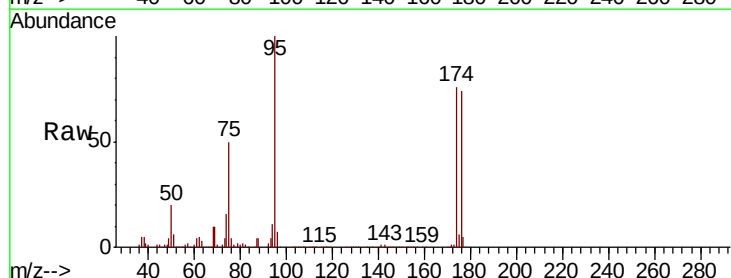
Tgt Ion: 95 Resp: 578419

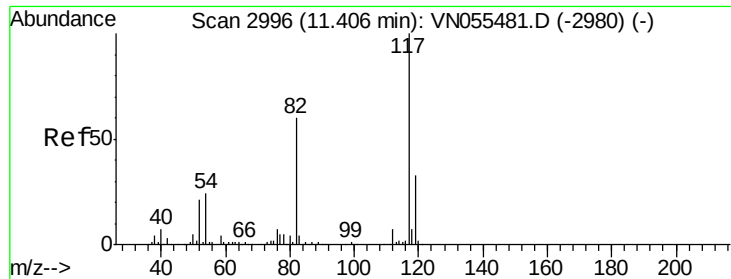
Ion Ratio Lower Upper

95 100

174 77.4 0.0 152.2

176 74.3 0.0 147.8

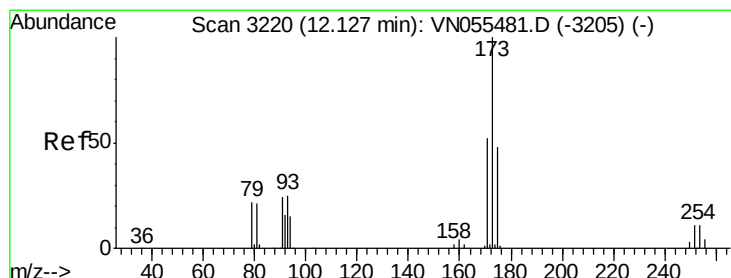
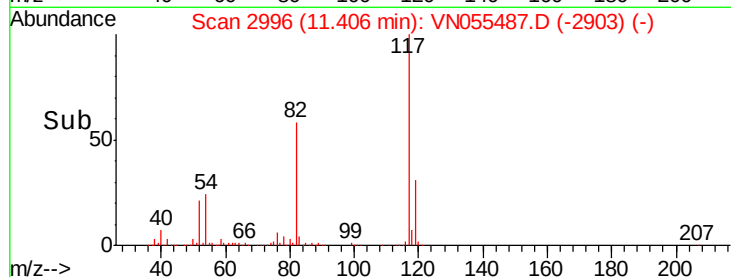
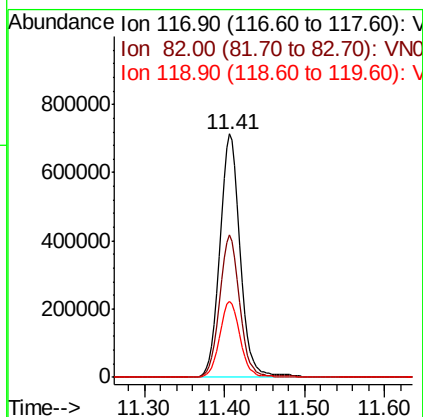
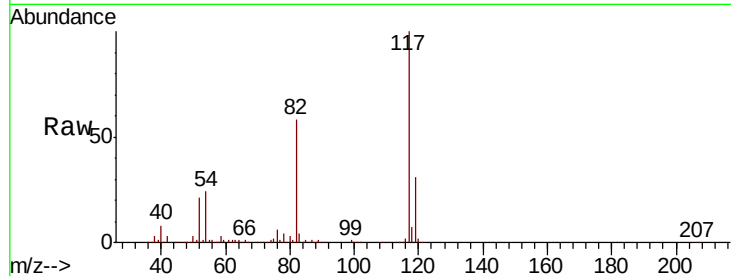




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055487.D
Acq: 9 May 2019 10:59

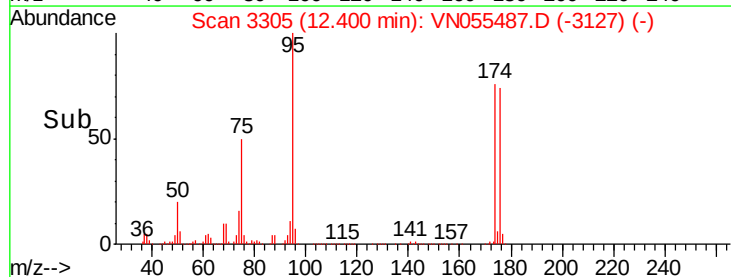
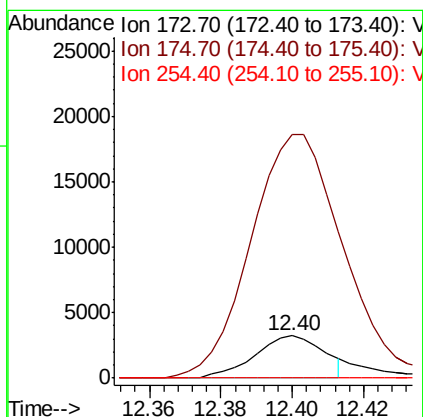
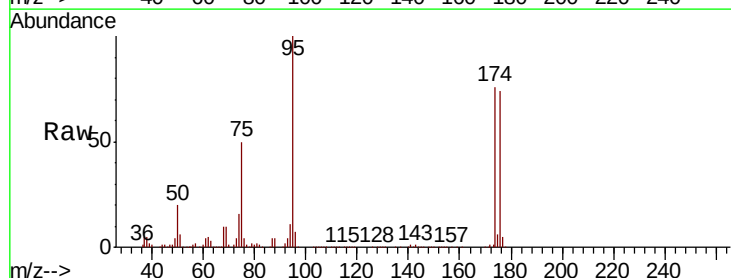
Instrument :
MSVOA_N
ClientSampled :

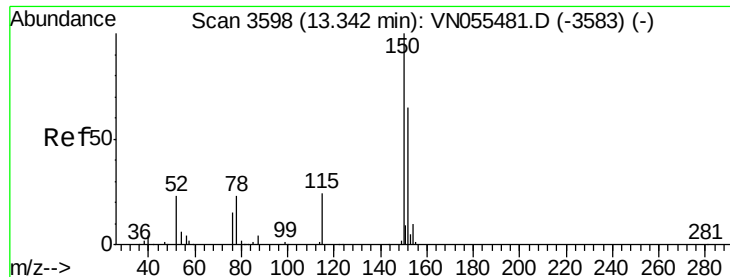
Tot Ion:117 Resp: 1257475
Ion Ratio Lower Upper
117 100
82 58.3 48.0 72.0
119 31.3 26.0 39.0



#71
Bromoform
Concen: 0.715 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN055487.D
Acq: 9 May 2019 10:59

Tgt Ion:173 Resp: 4296
Ion Ratio Lower Upper
173 100
175 660.6 24.1 72.4#
254 0.0 0.1 0.1#



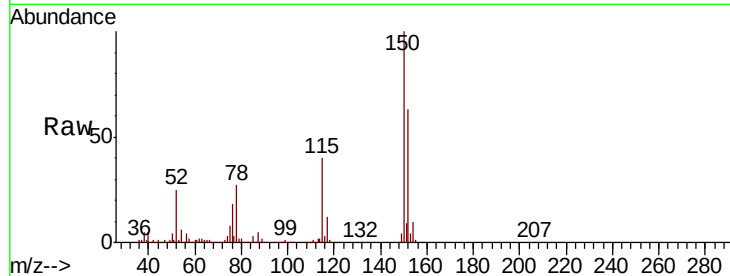


#72

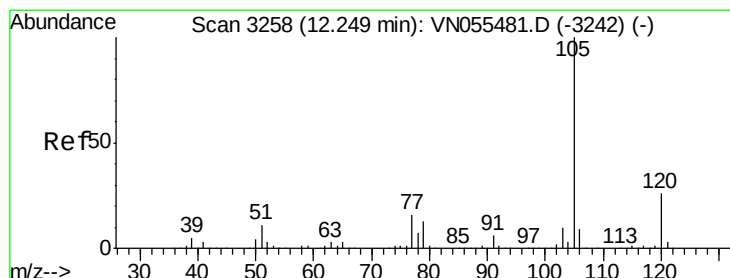
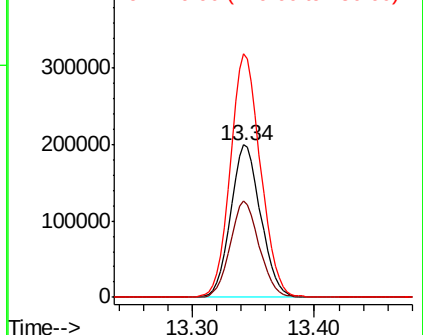
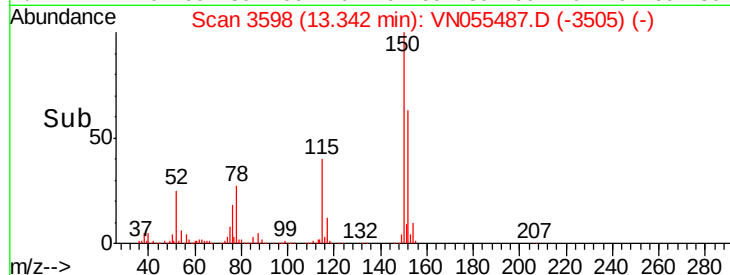
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN055487.D
Acq: 9 May 2019 10:59

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:152 Resp: 342654
Ion Ratio Lower Upper
152 100
115 61.5 30.1 90.5
150 160.0 0.0 355.0



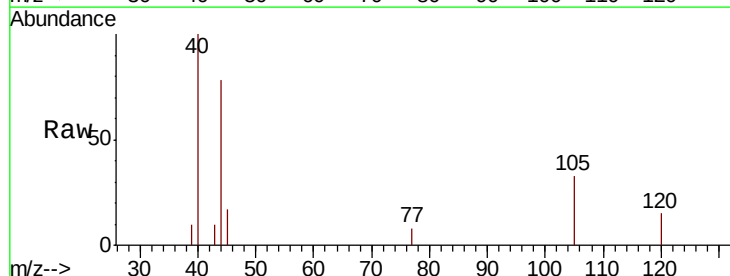
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



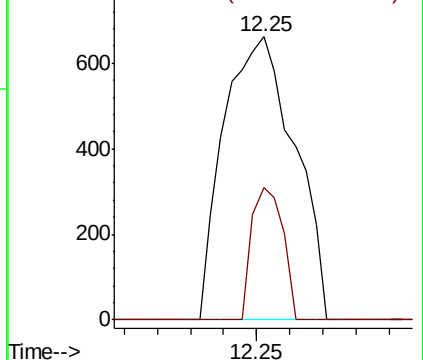
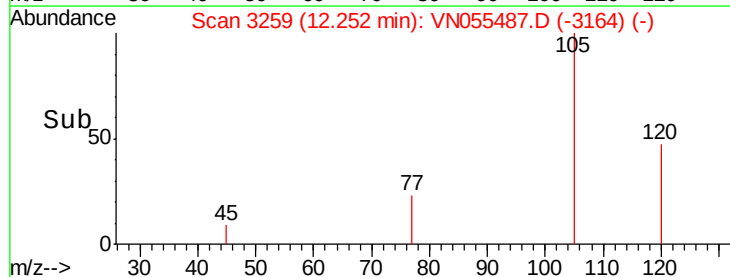
#73

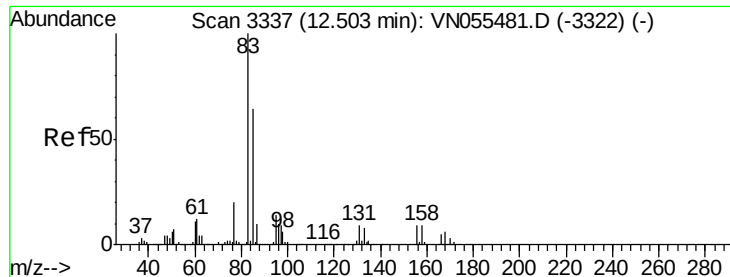
Isopropylbenzene
Concen: Below Cal
RT: 12.25 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN055487.D
Acq: 9 May 2019 10:59

Tgt Ion:105 Resp: 984
Ion Ratio Lower Upper
105 100
120 20.4 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN055487.D

Acq: 9 May 2019 10:59

Instrument :

MSVOA_N

ClientSampled :

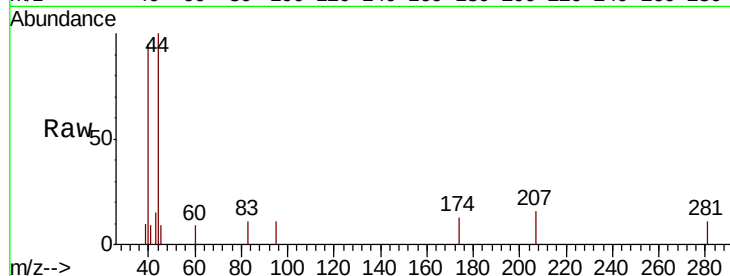
Tot Ion: 83 Resp: 171

Ion Ratio Lower Upper

83 100

131 0.0 4.5 13.5#

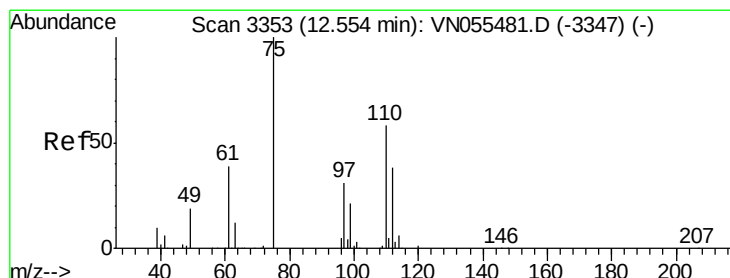
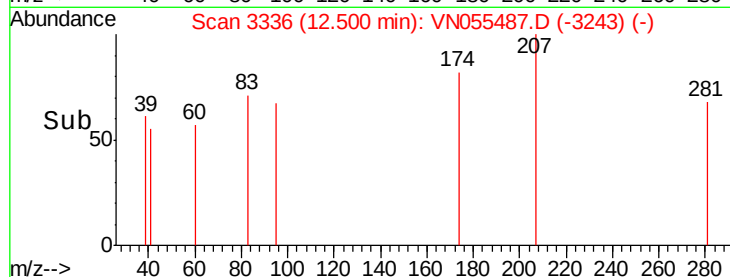
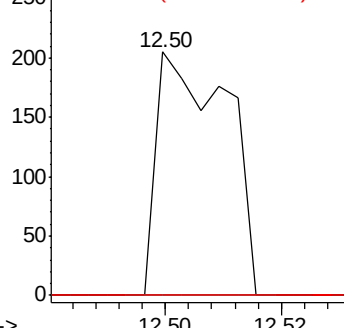
85 0.0 32.0 96.0#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 30.864 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055487.D

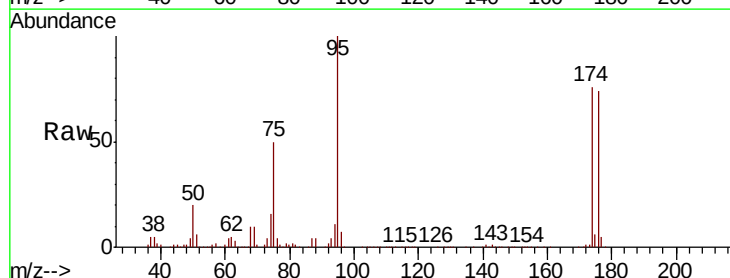
Acq: 9 May 2019 10:59

Tgt Ion: 75 Resp: 287908

Ion Ratio Lower Upper

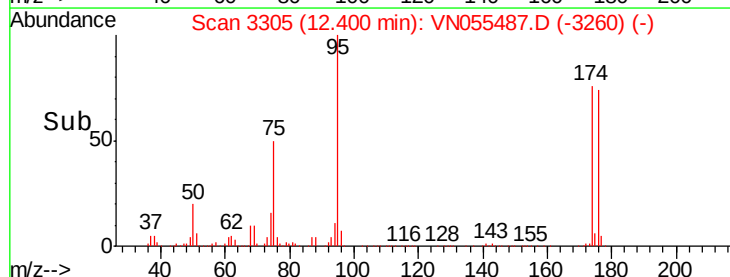
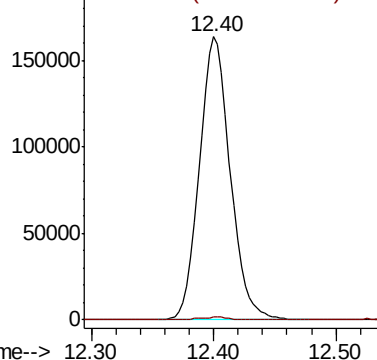
75 100

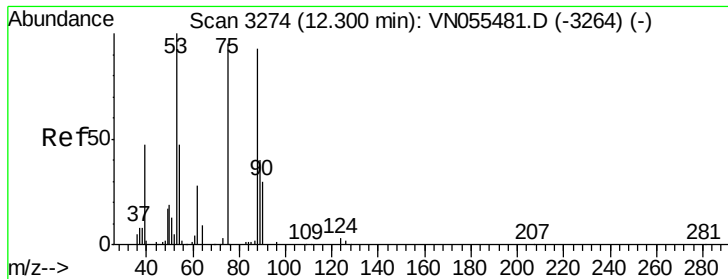
77 1.0 0.0 0.0#



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: 113.885 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055487.D

Acq: 9 May 2019 10:59

Instrument :

MSVOA_N

ClientSampled :

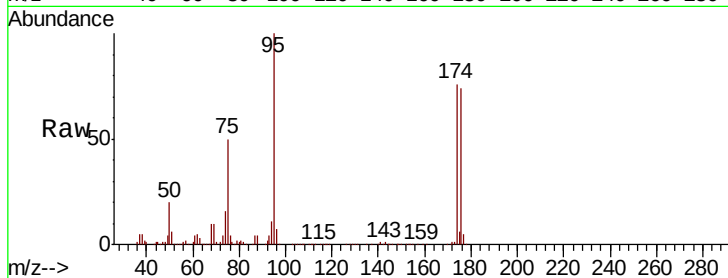
Tot Ion: 75 Resp: 287908

Ion Ratio Lower Upper

75 100

53 0.1 86.5 129.7#

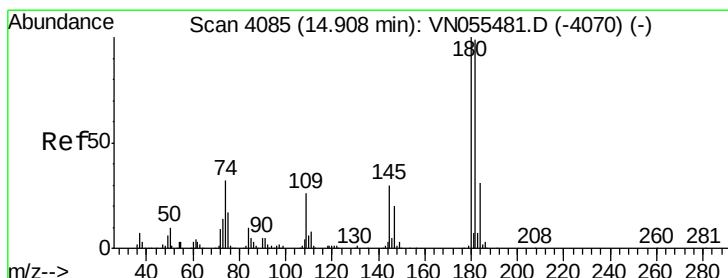
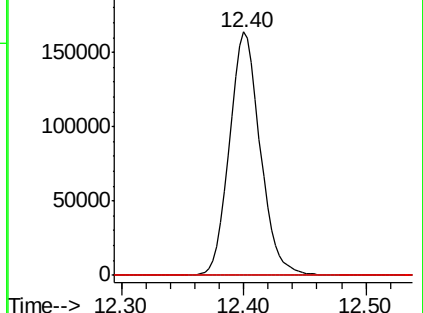
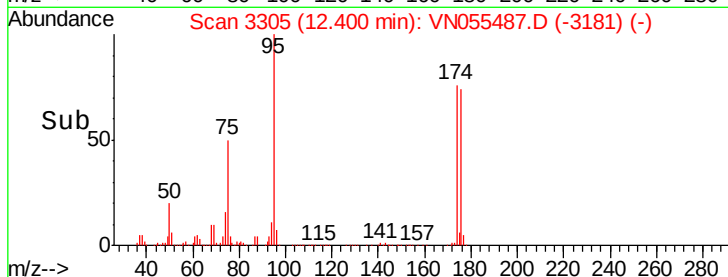
89 0.0 35.7 53.5#



Abundance Ion 74.90 (74.60 to 75.60): VN055487.D (-3181) (-)

Ion 53.00 (52.70 to 53.70): VN055487.D (-3181) (-)

Ion 88.90 (88.60 to 89.60): VN055487.D (-3181) (-)



#93

1,2,4-Trichlorobenzene

Concen: 3.445 ug/l

RT: 14.90 min Scan# 4084

Delta R.T. -0.00 min

Lab File: VN055487.D

Acq: 9 May 2019 10:59

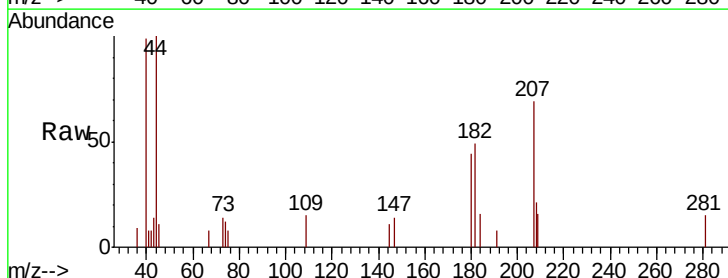
Tgt Ion: 180 Resp: 1303

Ion Ratio Lower Upper

180 100

182 111.2 48.7 146.1

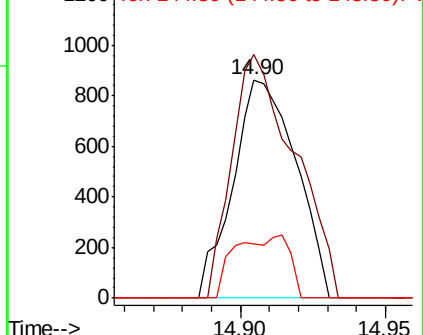
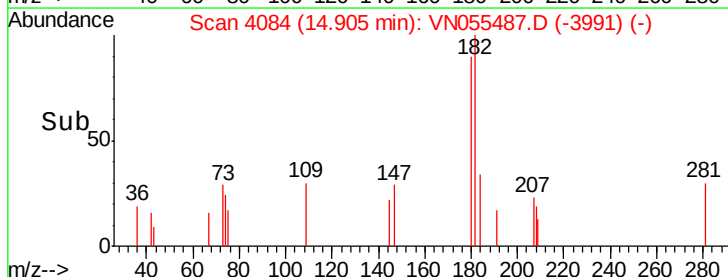
145 25.0 15.3 45.9

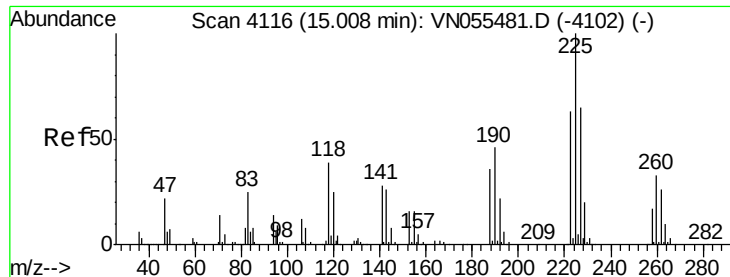


Abundance Ion 179.80 (179.50 to 180.50): VN055487.D (-3991) (-)

Ion 181.80 (181.50 to 182.50): VN055487.D (-3991) (-)

Ion 144.80 (144.50 to 145.50): VN055487.D (-3991) (-)





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4118

Delta R.T. 0.01 min

Lab File: VN055487.D

Acq: 9 May 2019 10:59

Instrument :

MSVOA_N

ClientSampleId :

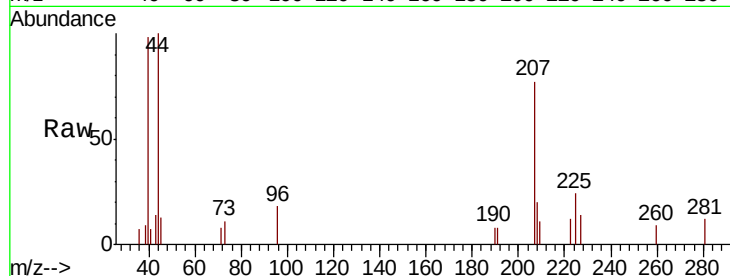
Tot Ion:225 Resp: 654

Ion Ratio Lower Upper

225 100

223 46.2 31.4 94.3

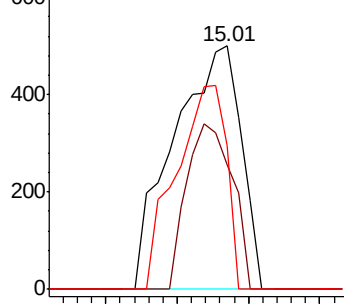
227 62.2 32.0 96.0



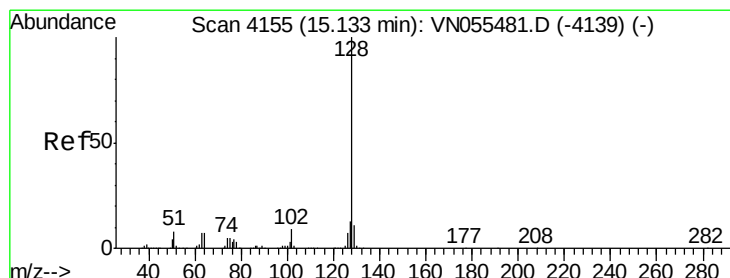
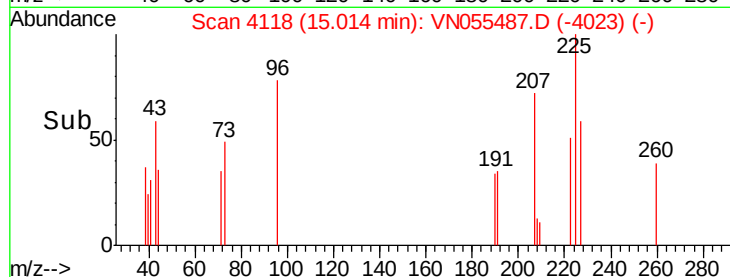
Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



Time-->



#95

Naphthalene

Concen: 3.268 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN055487.D

Acq: 9 May 2019 10:59

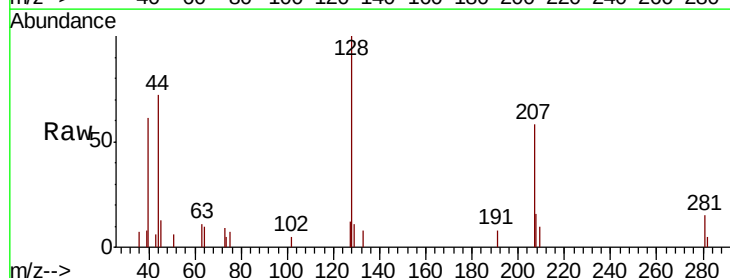
Tgt Ion:128 Resp: 5022

Ion Ratio Lower Upper

128 100

127 9.9 10.0 15.0#

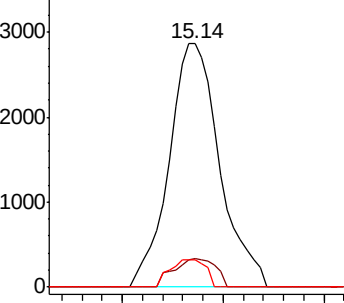
129 8.0 8.8 13.2#



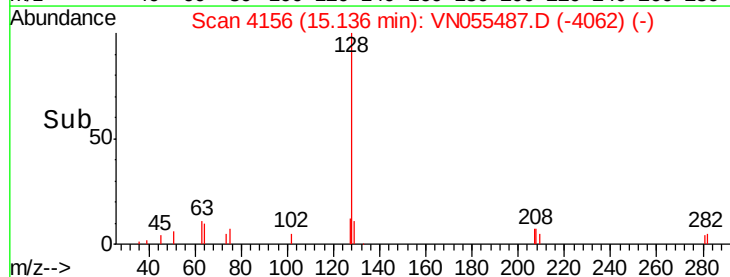
Abundance Ion 128.00 (127.70 to 128.70): V

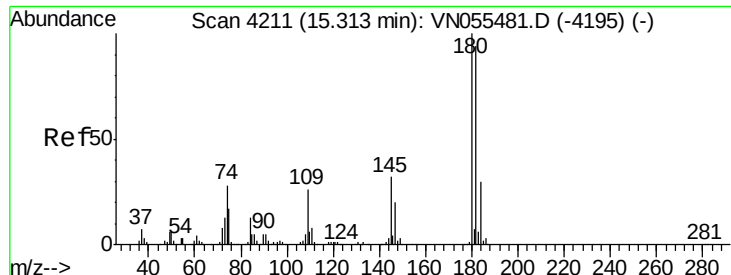
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time-->

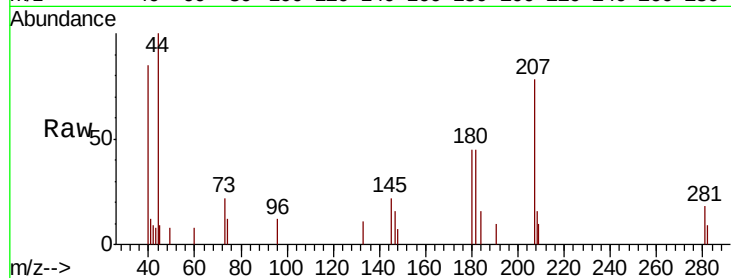




#96
 1,2,3-Trichlorobenzene
 Concen: 2.729 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN055487.D
 Acq: 9 May 2019 10:59

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.1	141.3
145	31.9	15.8	47.4



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

