

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051019\
 Data File : VN055541.D
 Acq On : 10 May 2019 10:41
 Operator : JC/SP
 Sample : PB114593TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB114593TB

Quant Time: May 11 00:54:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N050819W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 10 06:48:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	880007	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1496098	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1245815	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	358038	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	610891	46.11	ug/l	0.00
Spiked Amount			Recovery	=	92.22%	
35) Dibromofluoromethane	7.59	113	468644	48.56	ug/l	0.00
Spiked Amount			Recovery	=	97.12%	
50) Toluene-d8	10.09	98	1806333	48.03	ug/l	0.00
Spiked Amount			Recovery	=	96.06%	
62) 4-Bromofluorobenzene	12.40	95	528918	41.71	ug/l	0.00
Spiked Amount			Recovery	=	83.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.61	56	1001	0.768	ug/l #	35
16) Acetone	3.83	43	12092	1.971	ug/l	97
17) Carbon Disulfide	4.05	76	6372	0.243	ug/l #	72
18) Methyl Acetate	4.34	43	11781	Below Cal	#	76
20) Methylene Chloride	4.55	84	19521	1.556	ug/l	90
25) 2-Butanone	6.85	43	1736	0.205	ug/l #	52
29) Tetrahydrofuran	7.22	42	1247	0.223	ug/l #	89
31) Cyclohexane	7.67	56	18350	0.858	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	70018	4.750	ug/l #	50
38) Carbon Tetrachloride	7.67	117	80991	6.526	ug/l #	16
43) Isopropyl Acetate	8.17	43	29625	1.213	ug/l #	95
48) Methyl methacrylate	9.19	41	15988	1.359	ug/l #	17
49) 1,4-Dioxane	9.21	88	234	1.020	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	11866	0.739	ug/l	95
54) cis-1,3-Dichloropropene	9.90	75	106002	6.364	ug/l #	67
57) 1,3-Dichloropropane	10.76	76	23903	1.271	ug/l #	43
58) 2-Chloroethyl Vinyl ether	9.91	63	500	12.601	ug/l #	52
59) 2-Hexanone	10.76	43	367614	32.630	ug/l #	53
71) Bromoform	12.41	173	3797	0.638	ug/l #	1
73) Isopropylbenzene	12.25	105	2221	Below Cal		91
74) N-amyl acetate	12.07	43	4457	0.328	ug/l #	77
75) 1,1,2,2-Tetrachloroethane	12.50	83	494	Below Cal	#	77
76) 1,2,3-Trichloropropane	12.40	75	261803	26.860	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	17178	0.600	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.40	75	261803	99.109	ug/l #	7
87) 1,3-Dichlorobenzene	13.28	146	2739	0.225	ug/l	88
88) 1,4-Dichlorobenzene	13.28	146	2739	0.228	ug/l	87
89) n-Butylbenzene	13.61	91	6063	0.295	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	3153	0.259	ug/l #	38
93) 1,2,4-Trichlorobenzene	14.91	180	2940	3.724	ug/l	93
94) Hexachlorobutadiene	15.00	225	1595	Below Cal		91
95) Naphthalene	15.14	128	9934	3.563	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	4135	3.108	ug/l	86

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Quant Title : SW846 8260
QLast Update : Fri May 10 06:48:32 2019
Response via : Initial Calibration

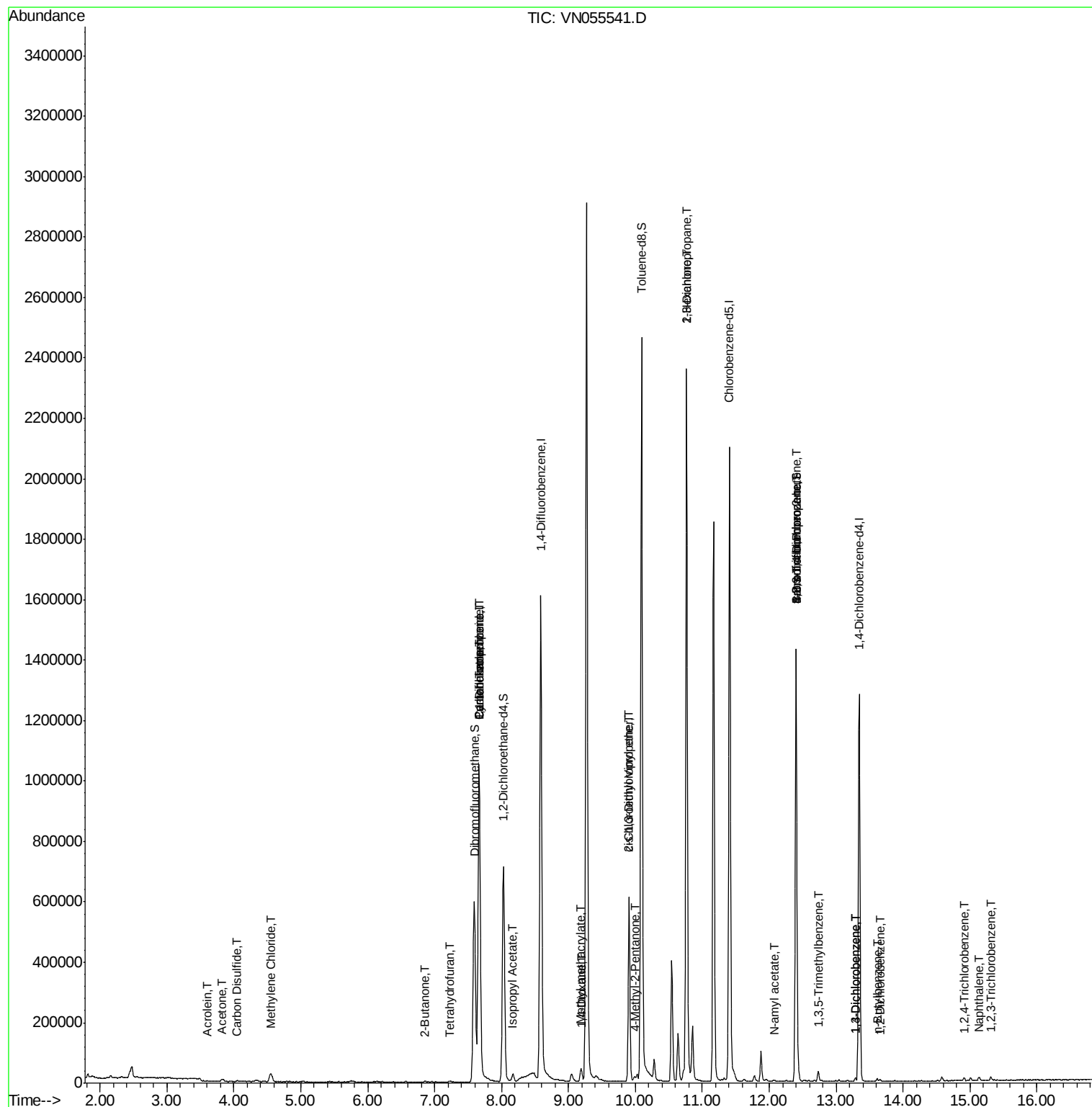
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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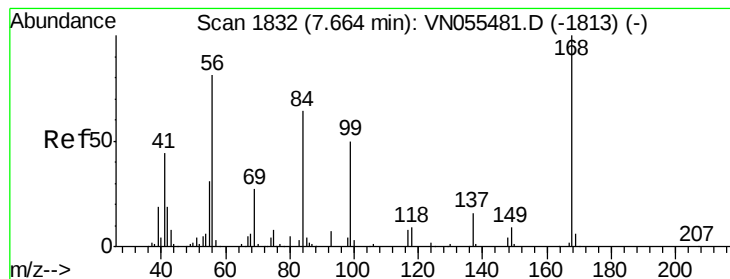
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055541.D

Acq: 10 May 2019 10:41

Instrument :

MSVOA_N

ClientSampleID :

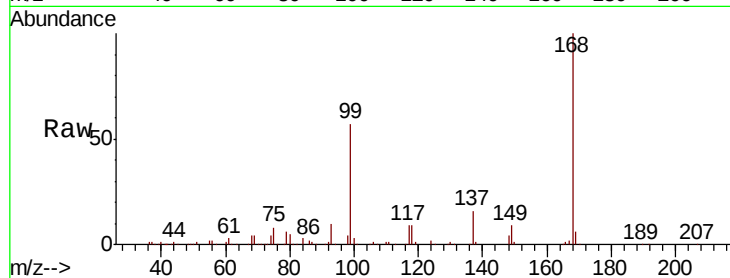
PB114593TB

Tot Ion:168 Resp: 880007

Ion Ratio Lower Upper

168 100

99 56.6 47.0 70.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

400000

300000

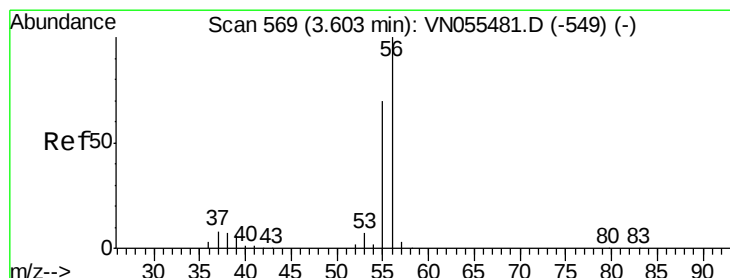
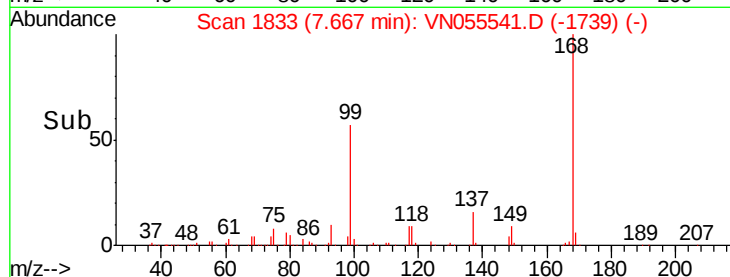
200000

100000

0

7.60 7.70 7.80

Time-->



#13

Acrolein

Concen: 0.768 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.01 min

Lab File: VN055541.D

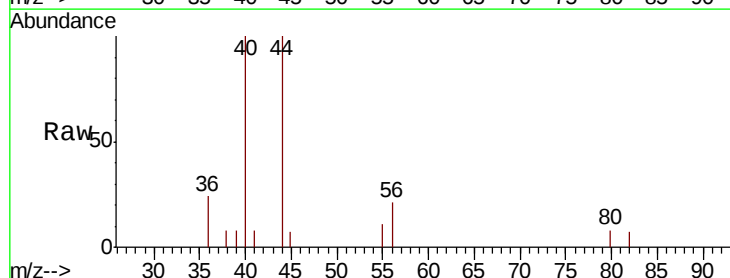
Acq: 10 May 2019 10:41

Tgt Ion: 56 Resp: 1001

Ion Ratio Lower Upper

56 100

55 18.1 57.7 86.5#



Abundance Ion 56.00 (55.70 to 56.70): VN

Ion 55.00 (54.70 to 55.70): VN

3.61

600

500

400

300

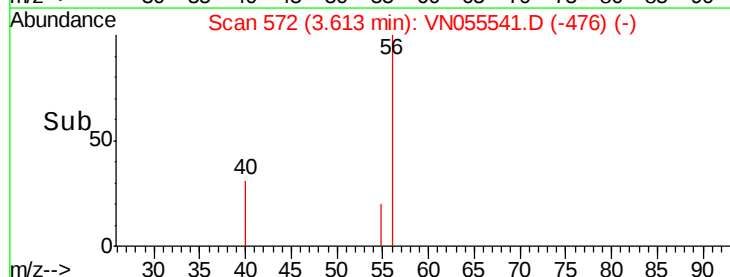
200

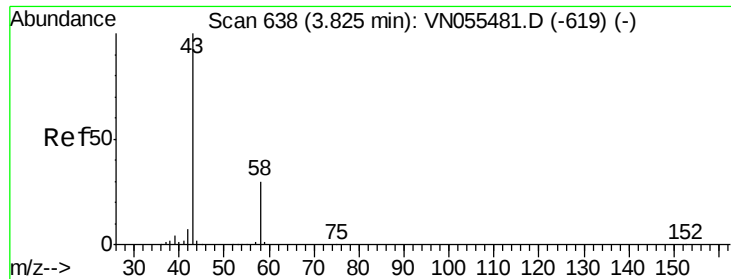
100

0

3.56 3.58 3.60 3.62 3.64

Time-->





#16

Acetone

Concen: 1.971 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.00 min

Lab File: VN055541.D

Acq: 10 May 2019 10:41

Instrument :

MSVOA_N

ClientSampleId :

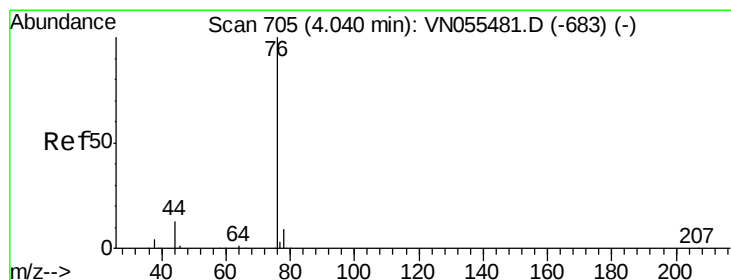
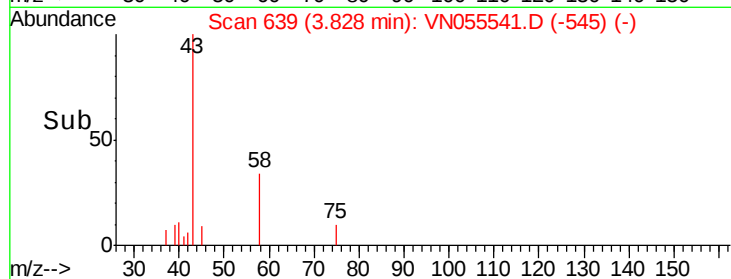
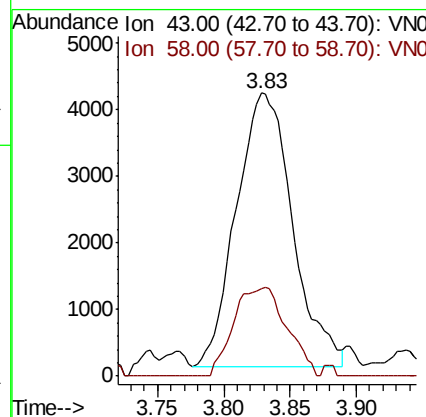
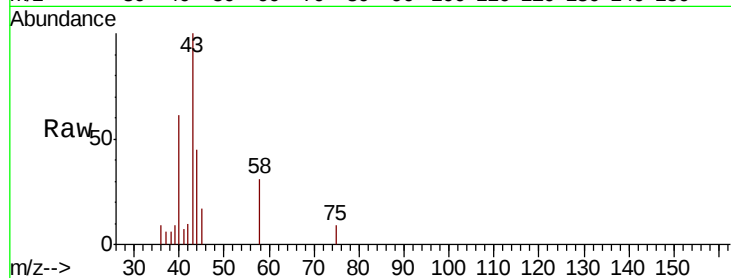
PB114593TB

Tot Ion: 43 Resp: 12092

Ion Ratio Lower Upper

43 100

58 31.9 24.2 36.2



#17

Carbon Disulfide

Concen: 0.243 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.01 min

Lab File: VN055541.D

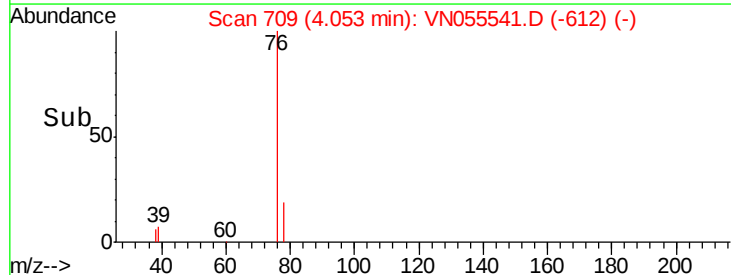
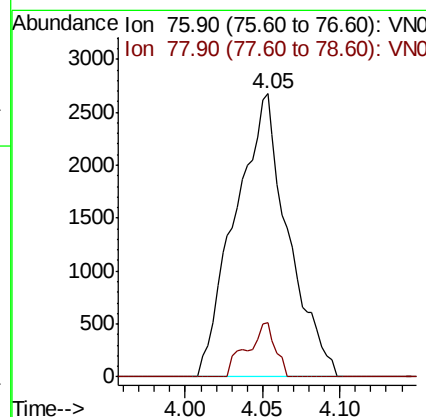
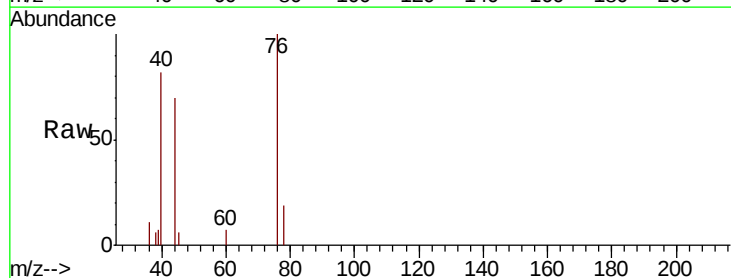
Acq: 10 May 2019 10:41

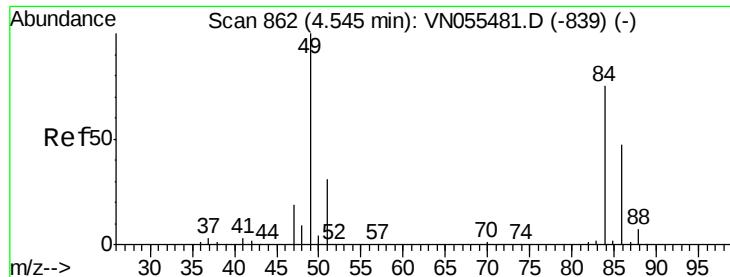
Tgt Ion: 76 Resp: 6372

Ion Ratio Lower Upper

76 100

78 19.3 7.4 11.0#

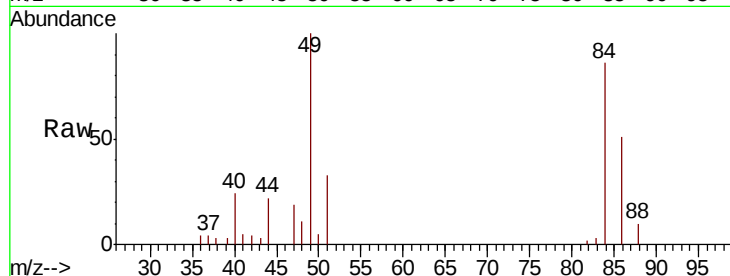




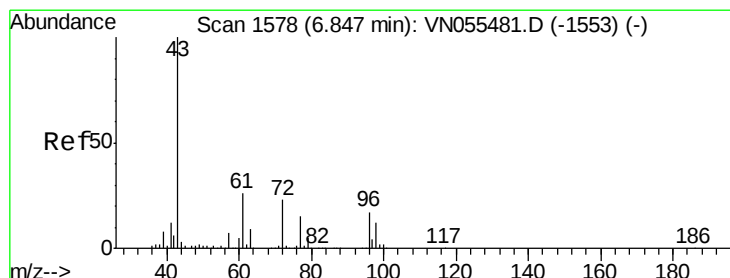
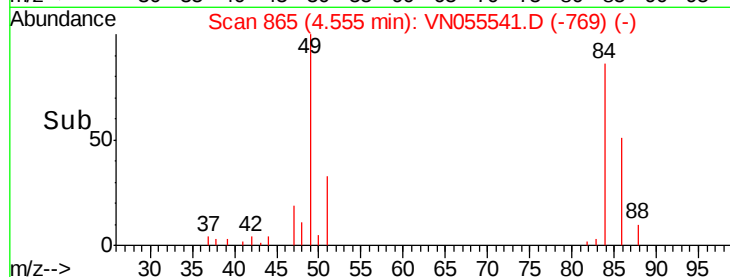
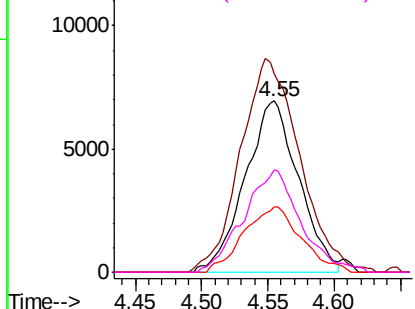
#20
Methvlene Chloride
Concen: 1.556 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.01 min
Lab File: VN055541.D
Acq: 10 May 2019 10:41

Instrument :
MSVOA_N
ClientSampled :
PB114593TB

Tot Ion:	84	Resp:	19521
Ion	Ratio	Lower	Upper
84	100		
49	116.3	107.0	160.6
51	38.1	33.0	49.4
86	59.5	50.6	76.0

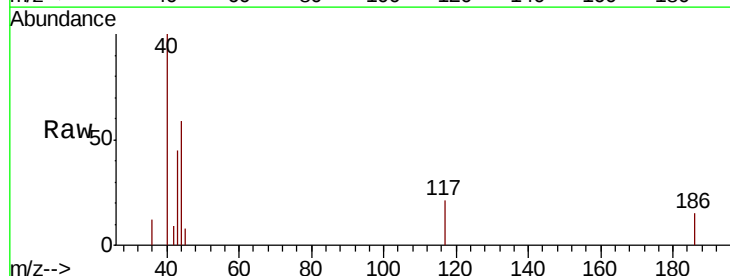


Abundance Ion 83.90 (83.60 to 84.60): VNO
Ion 48.90 (48.60 to 49.60): VNO
Ion 50.90 (50.60 to 51.60): VNO
Ion 85.90 (85.60 to 86.60): VNO

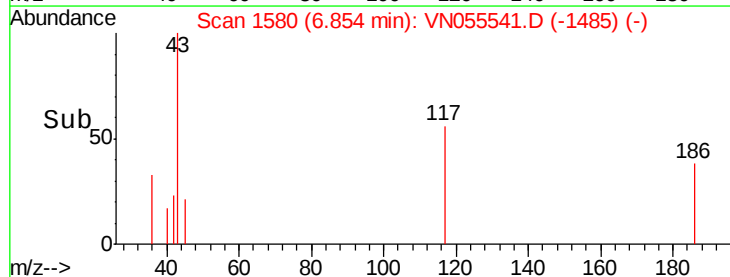
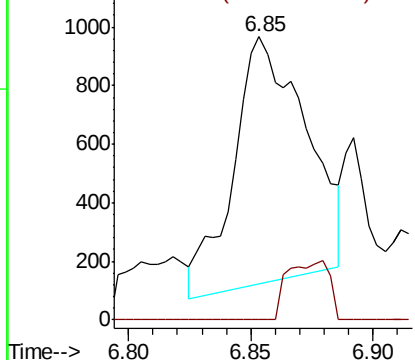


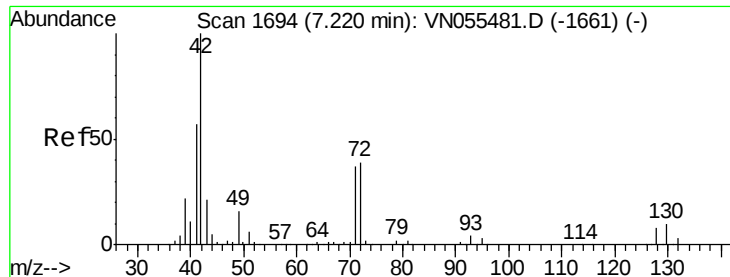
#25
2-Butanone
Concen: 0.205 ug/l
RT: 6.85 min Scan# 1580
Delta R.T. 0.01 min
Lab File: VN055541.D
Acq: 10 May 2019 10:41

Tgt Ion:	43	Resp:	1736
Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.6	27.8#



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 72.00 (71.70 to 72.70): VNO





#29

Tetrahydrofuran

Concen: 0.223 ug/l

RT: 7.22 min Scan# 1694

Delta R.T. -0.00 min

Lab File: VN055541.D

Acq: 10 May 2019 10:41

Instrument :

MSVOA_N

ClientSampleID :

PB114593TB

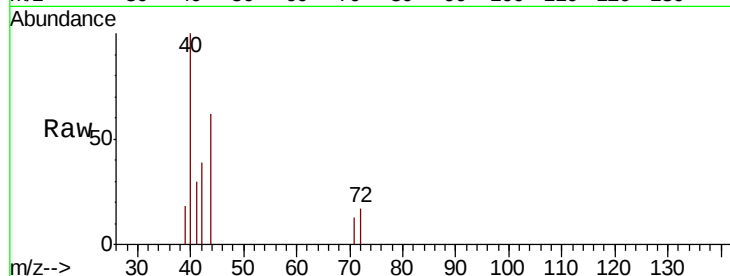
Tot Ion: 42 Resp: 1247

Ion Ratio Lower Upper

42 100

72 35.3 31.0 46.6

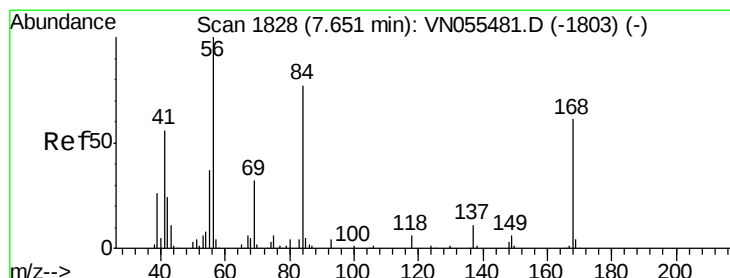
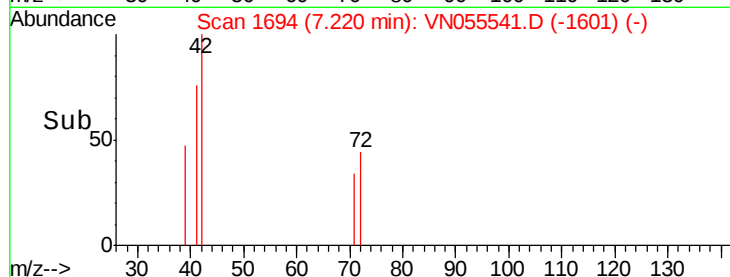
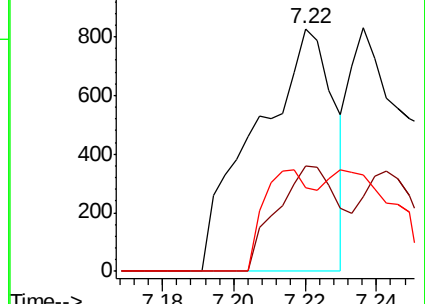
71 27.2 29.4 44.2#



Abundance Ion 42.00 (41.70 to 42.70): VNC

Ion 72.00 (71.70 to 72.70): VNC

Ion 71.00 (70.70 to 71.70): VNC



#31

Cyclohexane

Concen: 0.858 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.02 min

Lab File: VN055541.D

Acq: 10 May 2019 10:41

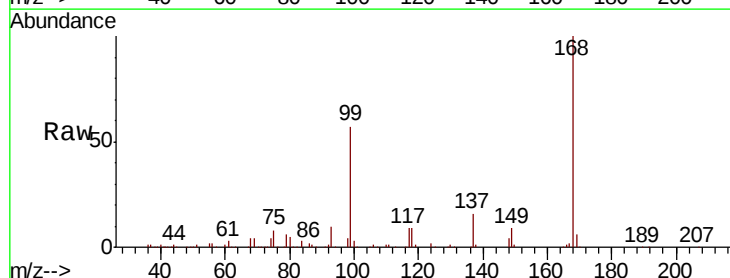
Tgt Ion: 56 Resp: 18350

Ion Ratio Lower Upper

56 100

69 162.1 26.0 39.0#

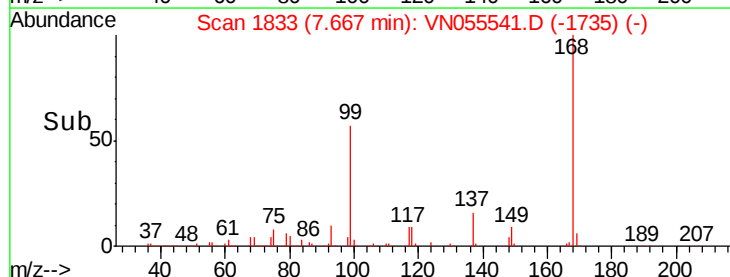
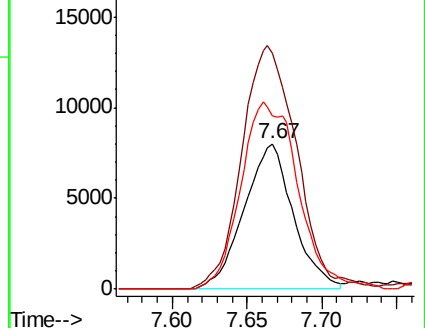
84 118.6 61.9 92.9#

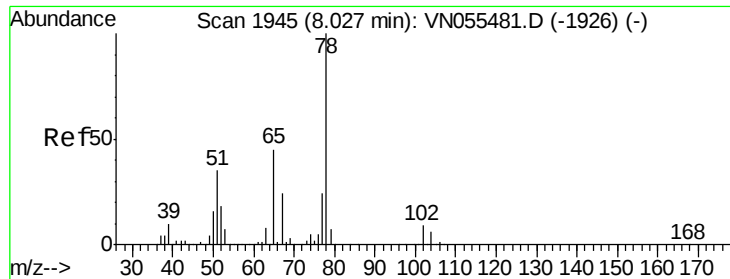


Abundance Ion 56.00 (55.70 to 56.70): VNC

Ion 69.00 (68.70 to 69.70): VNC

Ion 84.00 (83.70 to 84.70): VNC

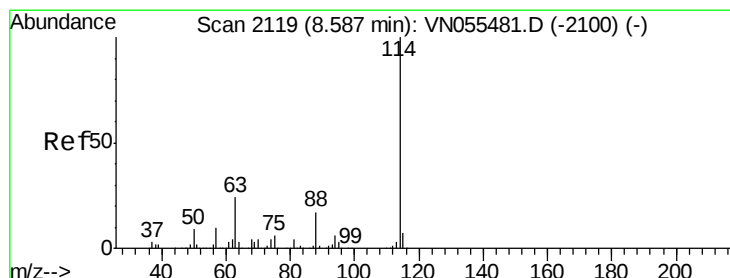
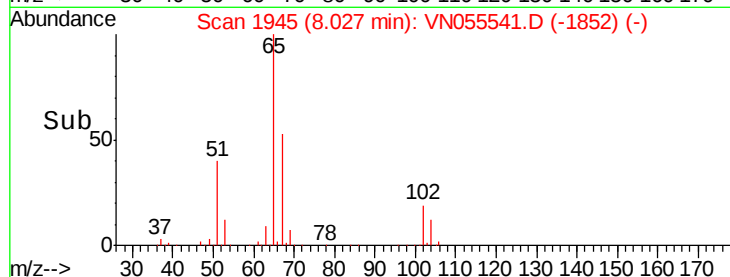
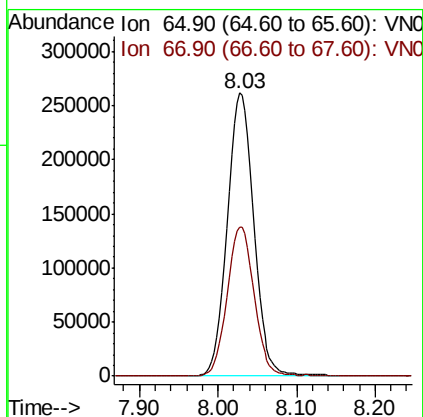
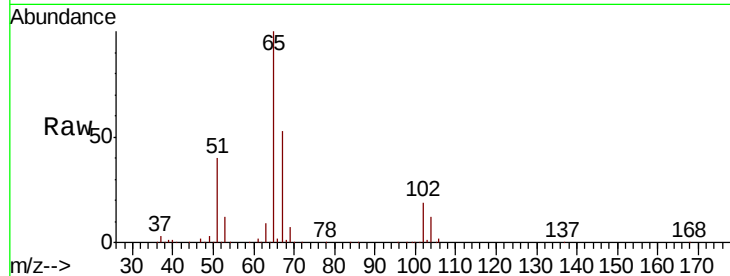




#33
 1,2-Dichloroethane-d4
 Concen: 46.105 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN055541.D
 Acq: 10 May 2019 10:41

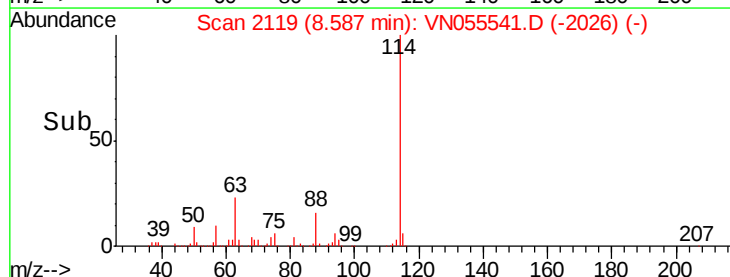
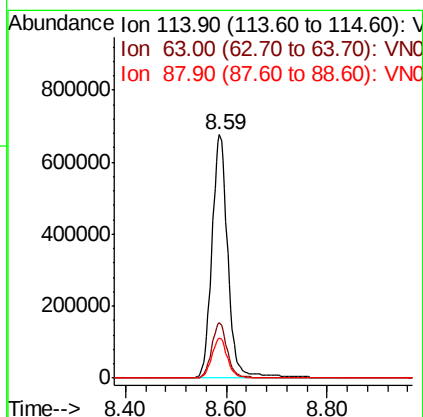
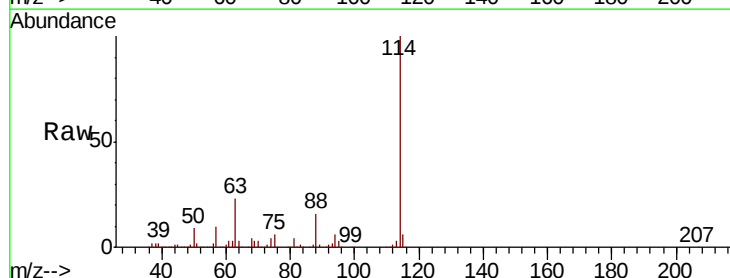
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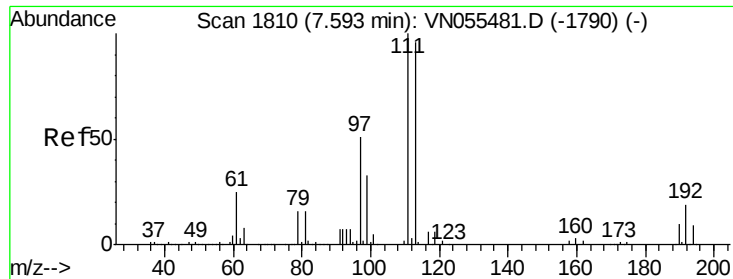
Tot Ion: 65 Resp: 610891
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 109.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN055541.D
 Acq: 10 May 2019 10:41

Tgt Ion: 114 Resp: 1496098
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 47.4
 88 16.5 0.0 34.0





#35

Dibromofluoromethane

Concen: 48.559 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VN055541.D

Acq: 10 May 2019 10:41

Instrument :

MSVOA_N

ClientSampleId :

PB114593TB

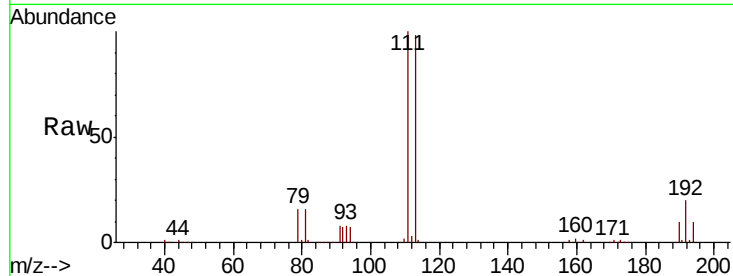
Tot Ion:113 Resp: 468644

Ion Ratio Lower Upper

113 100

111 102.6 82.9 124.3

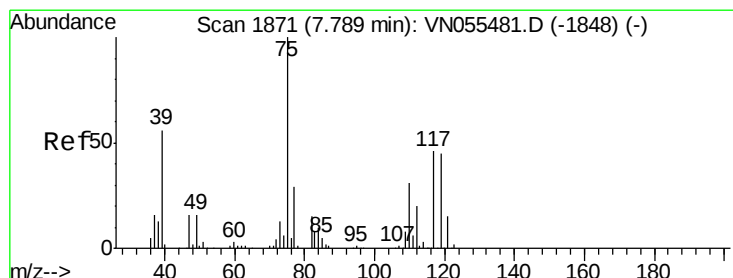
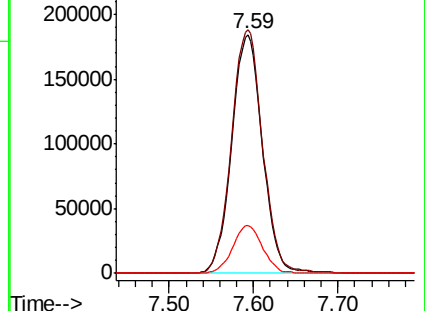
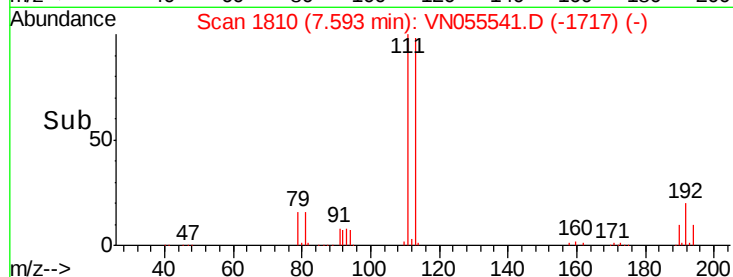
192 19.6 15.6 23.4



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: 4.750 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN055541.D

Acq: 10 May 2019 10:41

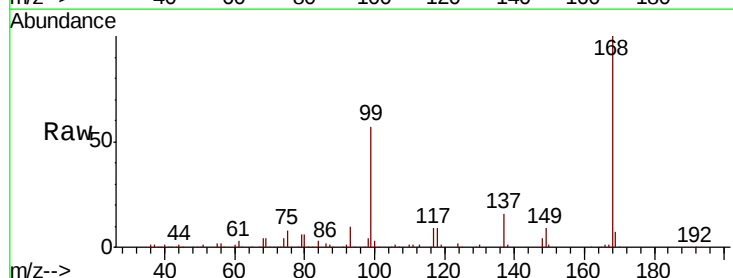
Tgt Ion: 75 Resp: 70018

Ion Ratio Lower Upper

75 100

110 7.8 16.1 48.3#

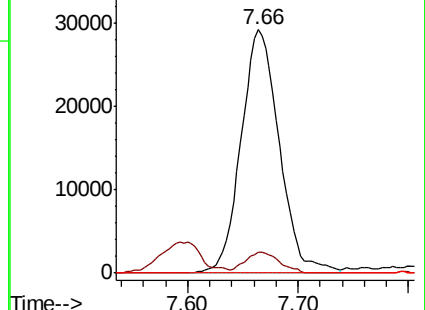
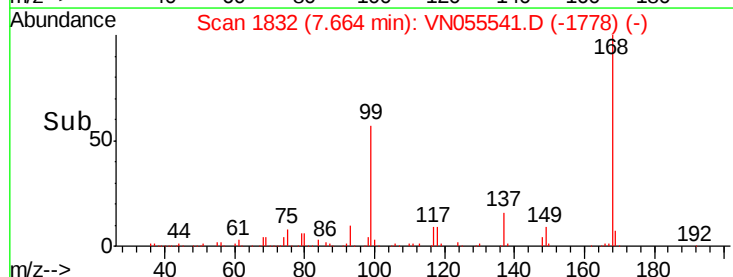
77 0.0 24.6 37.0#

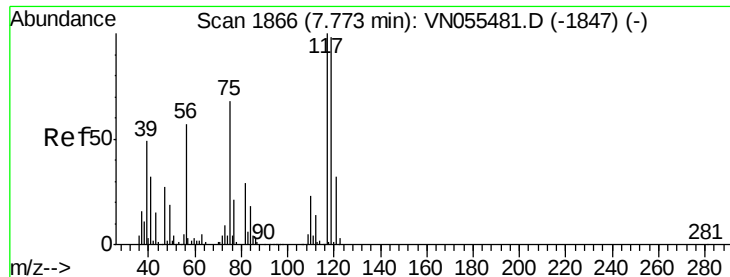


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 6.526 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN055541.D

Acq: 10 May 2019 10:41

Instrument :

MSVOA_N

ClientSampleId :

PB114593TB

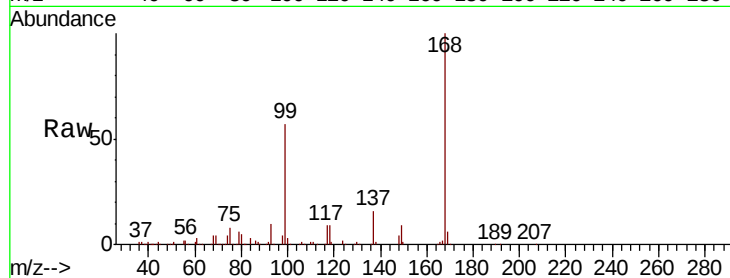
Tot Ion:117 Resp: 80991

Ion Ratio Lower Upper

117 100

119 5.6 77.8 116.6#

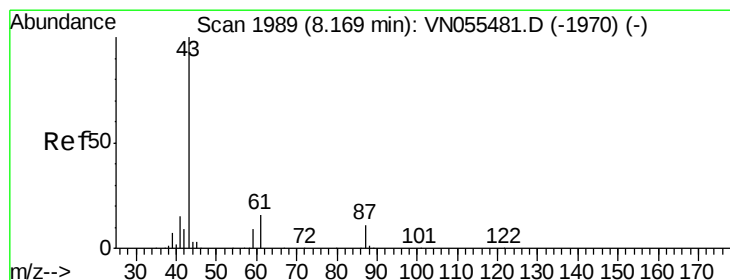
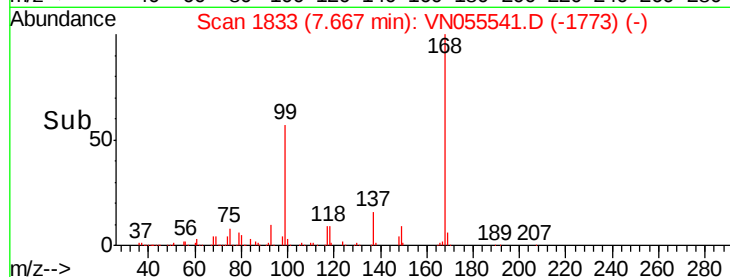
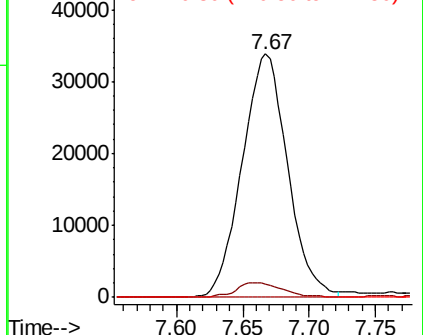
121 0.0 25.2 37.8#



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: 1.213 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN055541.D

Acq: 10 May 2019 10:41

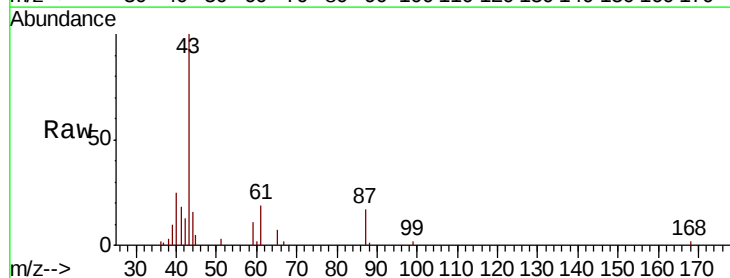
Tgt Ion: 43 Resp: 29625

Ion Ratio Lower Upper

43 100

61 20.5 15.1 22.7

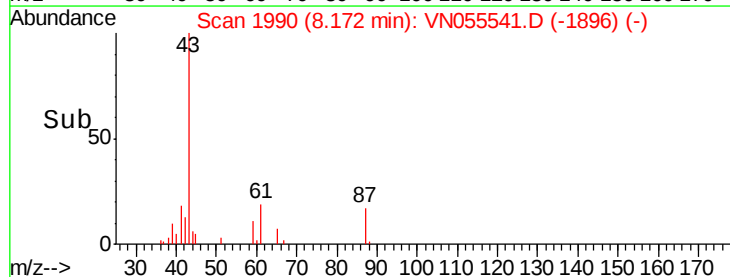
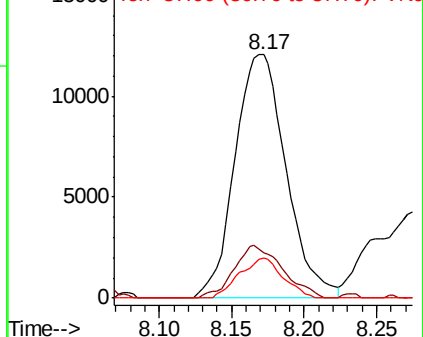
87 13.9 9.0 13.6#

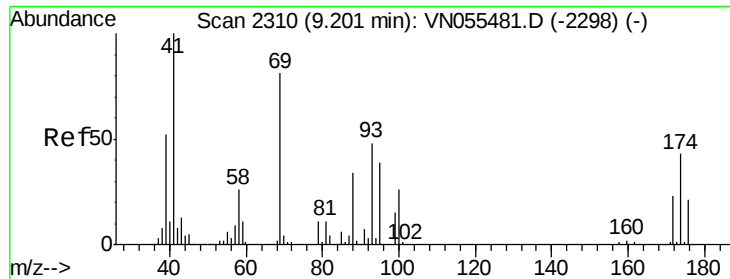


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

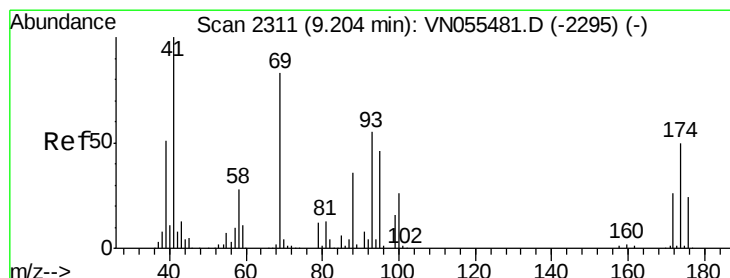
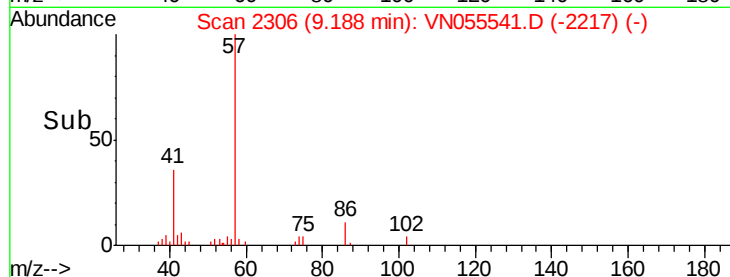
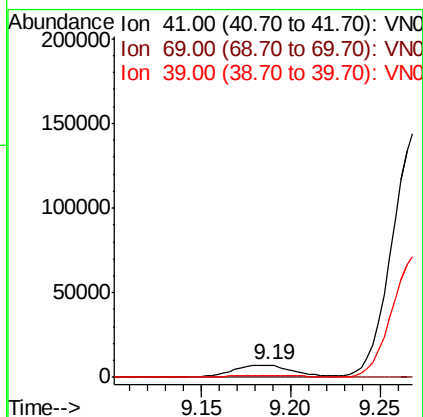
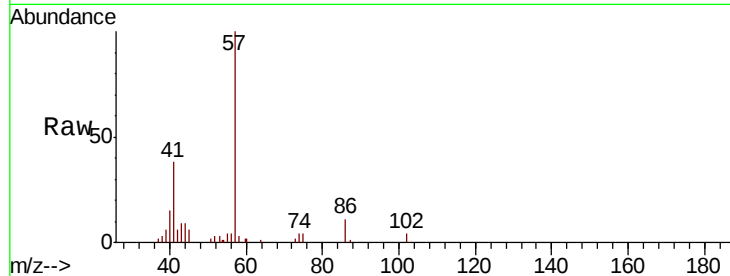




#48
Methyl methacrylate
Concen: 1.359 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. -0.01 min
Lab File: VN055541.D
Acq: 10 May 2019 10:41

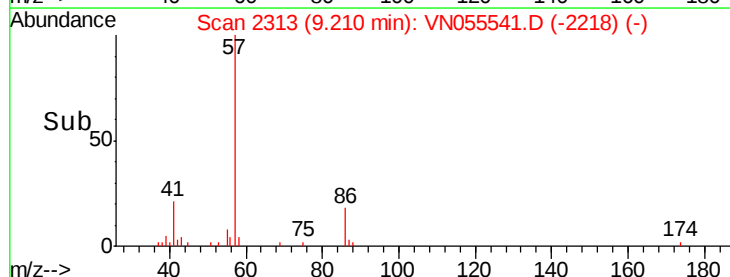
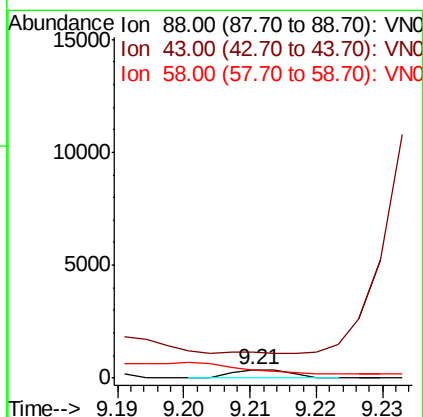
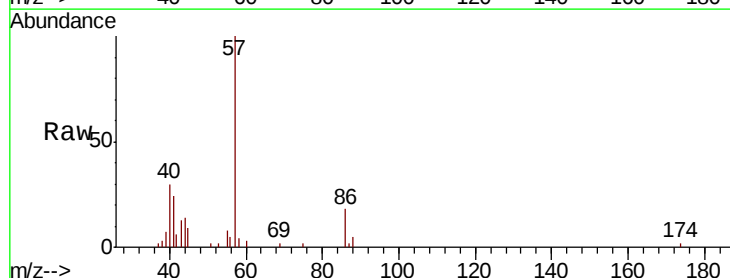
Instrument :
MSVOA_N
ClientSampleId :
PB114593TB

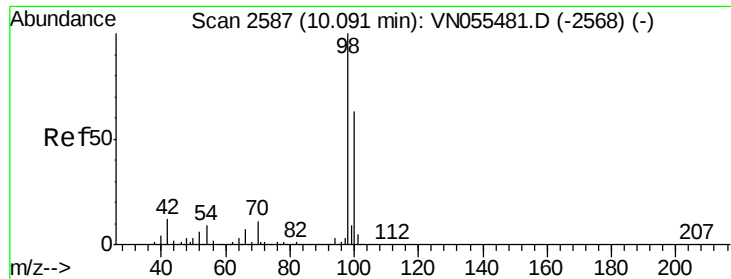
Tot Ion: 41 Resp: 15988
Ion Ratio Lower Upper
41 100
69 1.5 64.2 96.2#
39 0.0 41.6 62.4#



#49
1,4-Dioxane
Concen: 1.020 ug/l
RT: 9.21 min Scan# 2313
Delta R.T. 0.01 min
Lab File: VN055541.D
Acq: 10 May 2019 10:41

Tgt Ion: 88 Resp: 234
Ion Ratio Lower Upper
88 100
43 0.0 27.8 41.8#
58 688.5 61.8 92.6#





#50

Toluene-d8

Concen: 48.029 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN055541.D

Acq: 10 May 2019 10:41

Instrument :

MSVOA_N

ClientSampled :

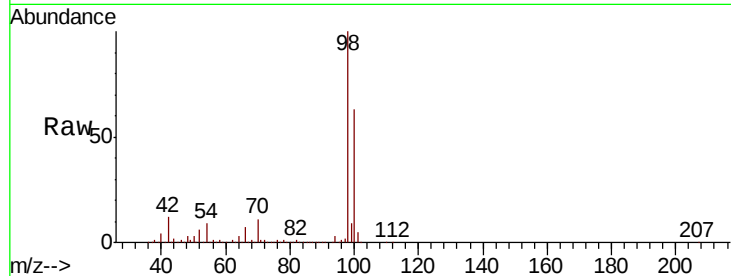
PB114593TB

Tot Ion: 98 Resp: 1806333

Ion Ratio Lower Upper

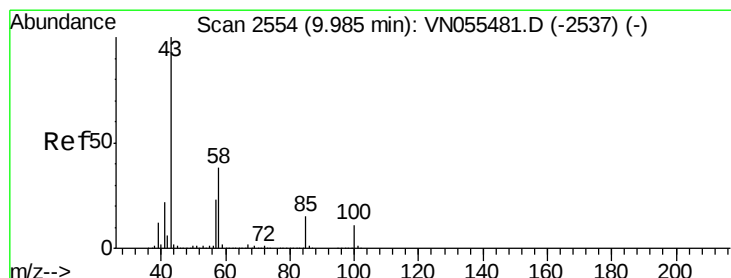
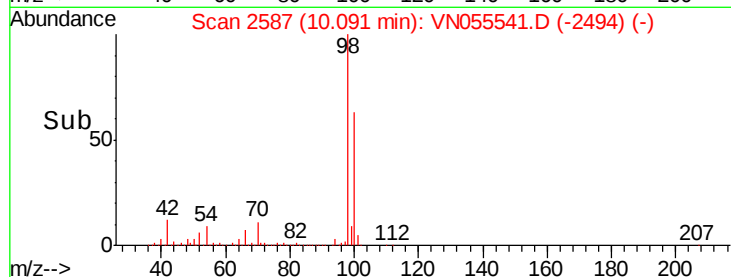
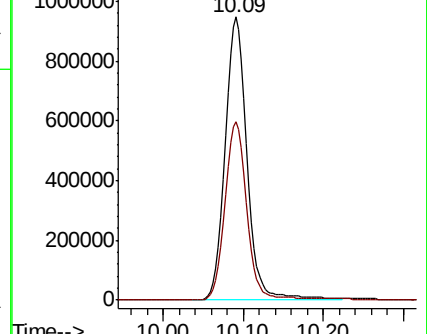
98 100

100 64.1 50.4 75.6



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#51

4-Methyl-2-Pentanone

Concen: 0.739 ug/l

RT: 9.99 min Scan# 2556

Delta R.T. 0.01 min

Lab File: VN055541.D

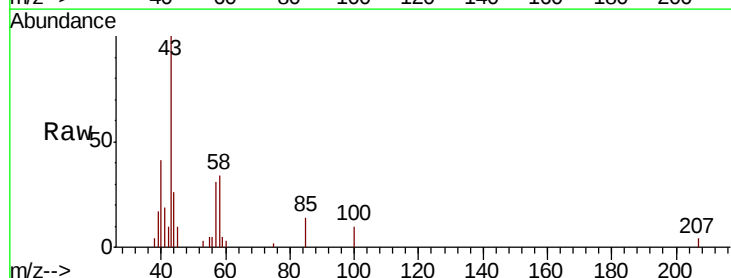
Acq: 10 May 2019 10:41

Tgt Ion: 43 Resp: 11866

Ion Ratio Lower Upper

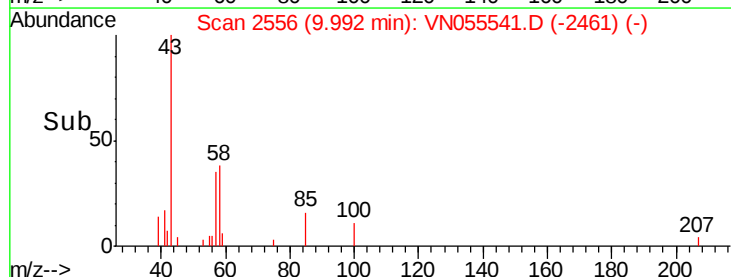
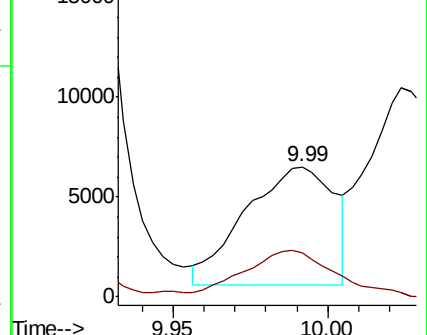
43 100

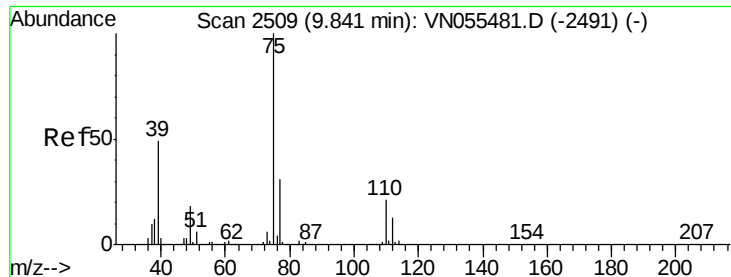
58 40.6 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#54

cis-1,3-Dichloropropene

Concen: 6.364 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN055541.D

Acq: 10 May 2019 10:41

Instrument :

MSVOA_N

ClientSampleId :

PB114593TB

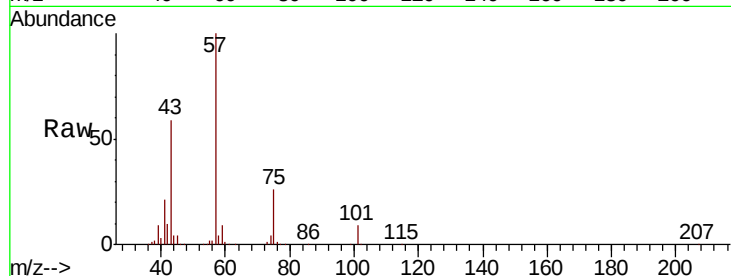
Tot Ion: 75 Resp: 106002

Ion Ratio Lower Upper

75 100

77 0.4 24.4 36.6#

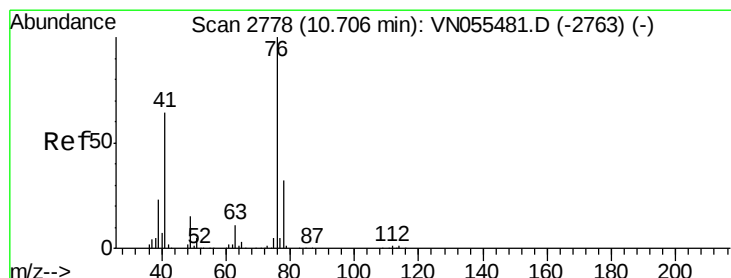
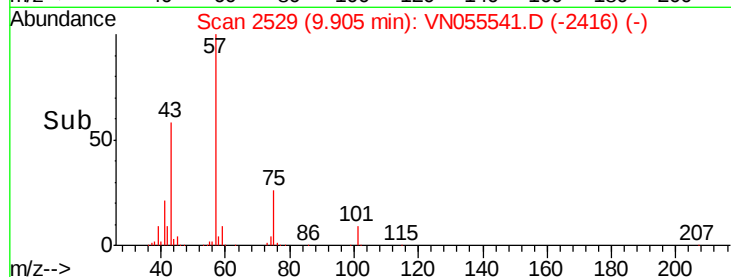
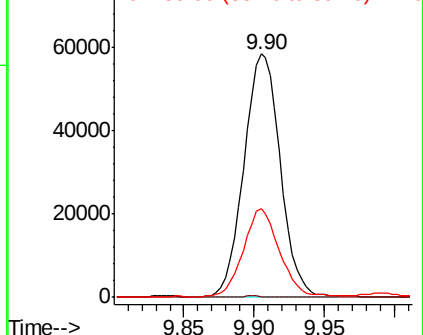
39 36.2 39.5 59.3#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



#57

1,3-Dichloropropane

Concen: 1.271 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.06 min

Lab File: VN055541.D

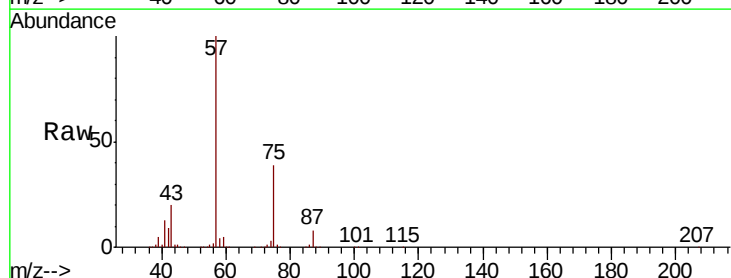
Acq: 10 May 2019 10:41

Tgt Ion: 76 Resp: 23903

Ion Ratio Lower Upper

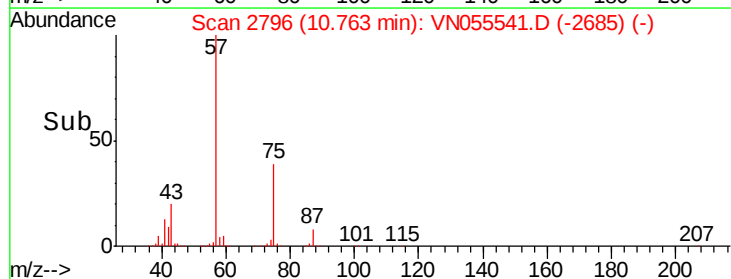
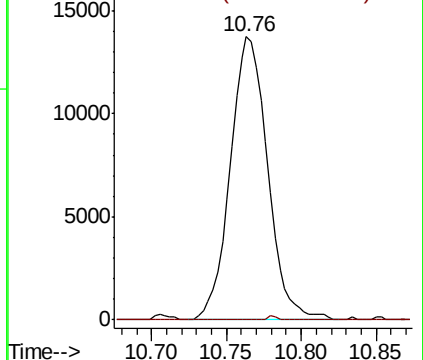
76 100

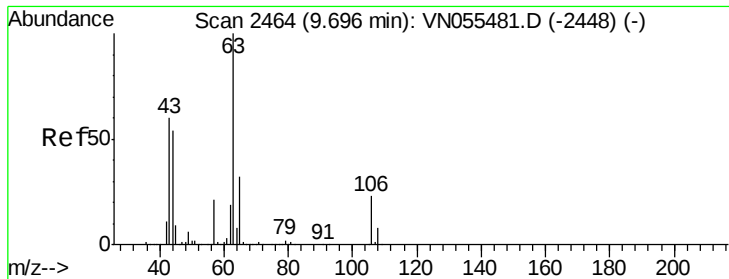
78 0.3 25.8 38.6#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

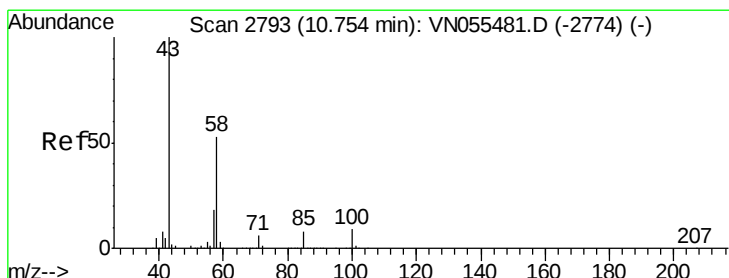
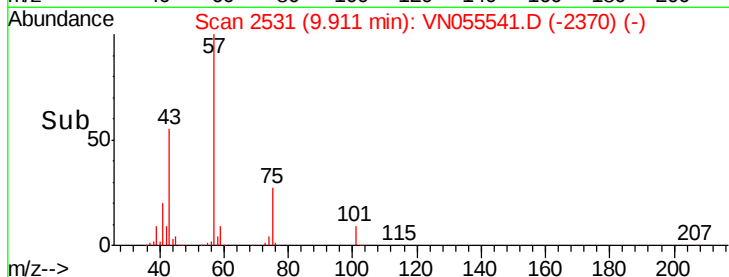
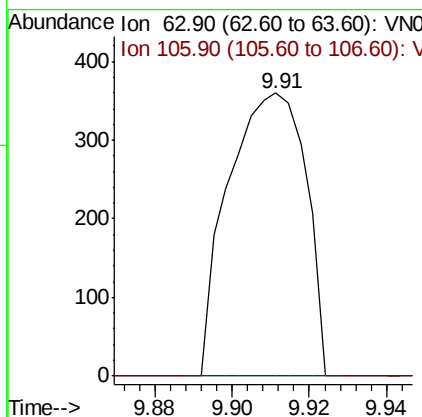
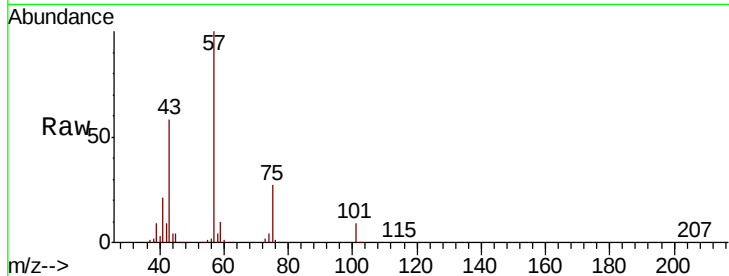




#58
 2-Chloroethyl Vinyl ether
 Concen: 12.601 ug/l
 RT: 9.91 min Scan# 2531
 Delta R.T. 0.22 min
 Lab File: VN055541.D
 Acq: 10 May 2019 10:41

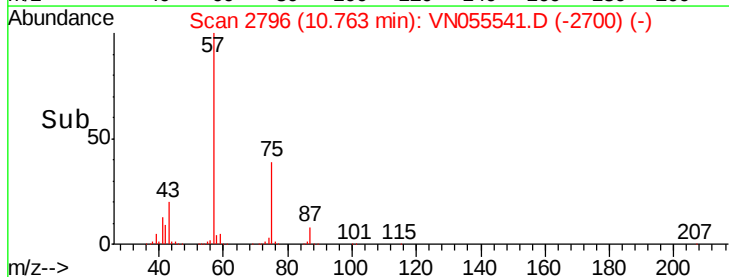
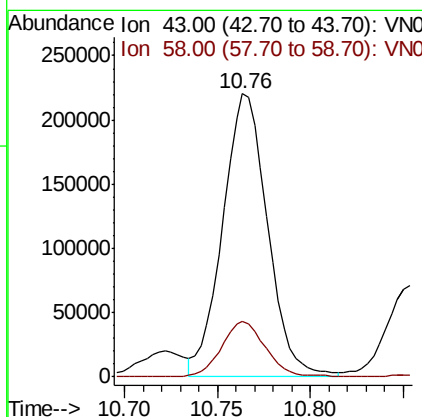
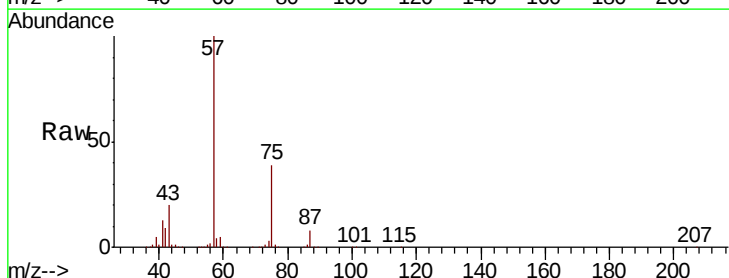
Instrument :
 MSVOA_N
 ClientSampleId :
 PB114593TB

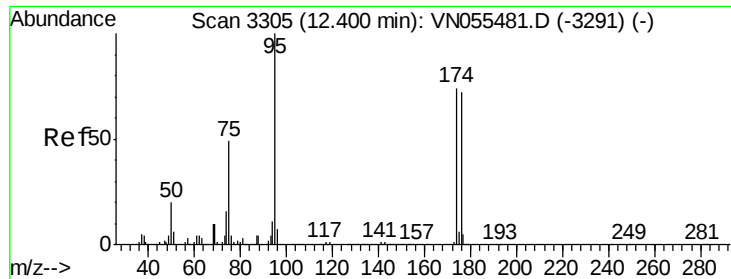
Tot Ion: 63 Resp: 500
 Ion Ratio Lower Upper
 63 100
 106 0.0 18.6 27.8#



#59
 2-Hexanone
 Concen: 32.630 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.01 min
 Lab File: VN055541.D
 Acq: 10 May 2019 10:41

Tgt Ion: 43 Resp: 367614
 Ion Ratio Lower Upper
 43 100
 58 19.7 26.4 79.0#





#62

4-Bromofluorobenzene

Concen: 41.709 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN055541.D

Acq: 10 May 2019 10:41

Instrument :

MSVOA_N

ClientSampleId :

PB114593TB

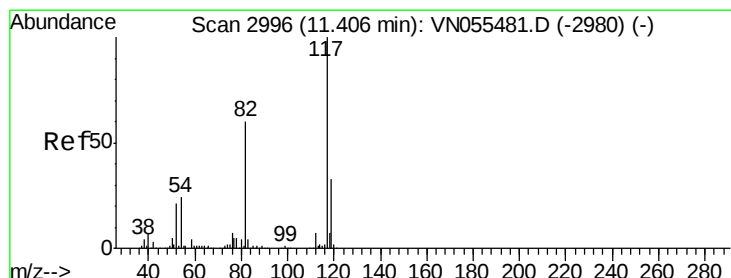
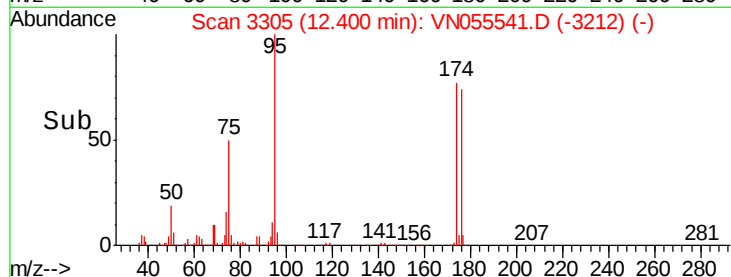
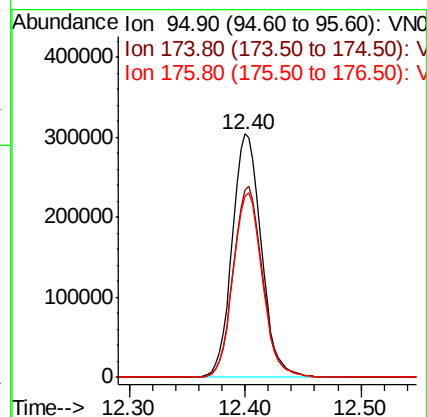
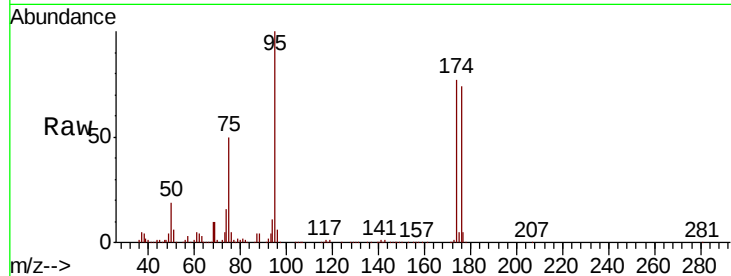
Tot Ion: 95 Resp: 528918

Ion Ratio Lower Upper

95 100

174 78.6 0.0 152.2

176 76.0 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: VN055541.D

Acq: 10 May 2019 10:41

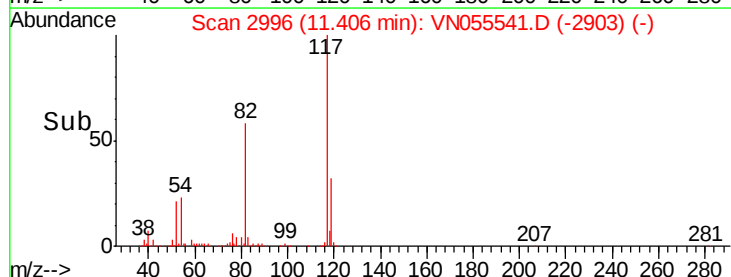
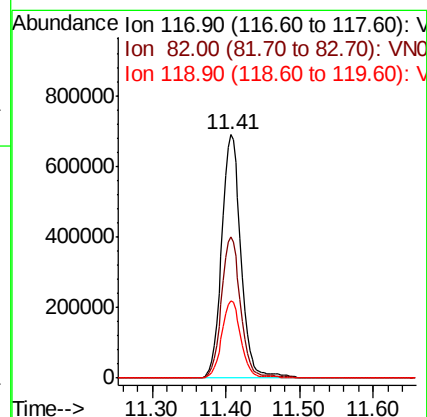
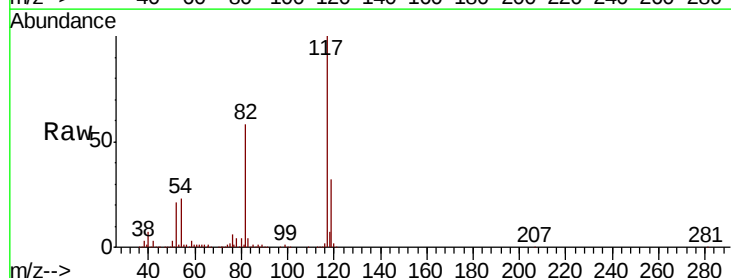
Tgt Ion: 117 Resp: 1245815

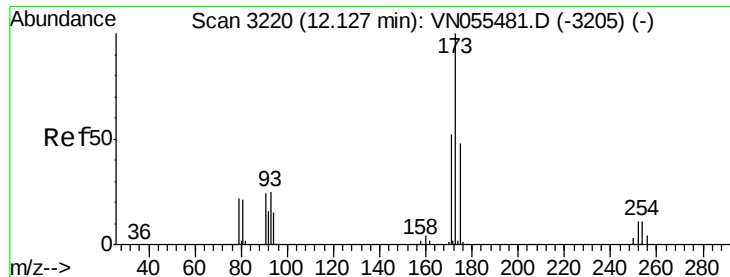
Ion Ratio Lower Upper

117 100

82 58.1 48.0 72.0

119 31.8 26.0 39.0





#71

Bromoform

Concen: 0.638 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.28 min

Lab File: VN055541.D

Acq: 10 May 2019 10:41

Instrument :

MSVOA_N

ClientSampleId :

PB114593TB

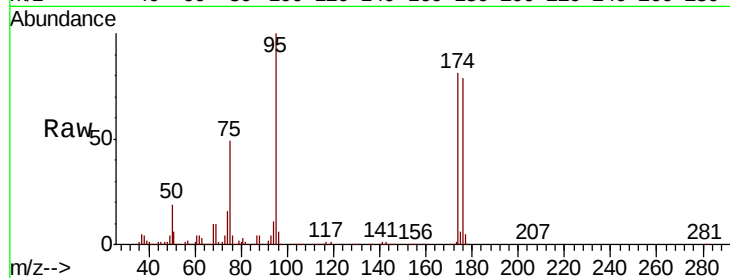
Tot Ion:173 Resp: 3797

Ion Ratio Lower Upper

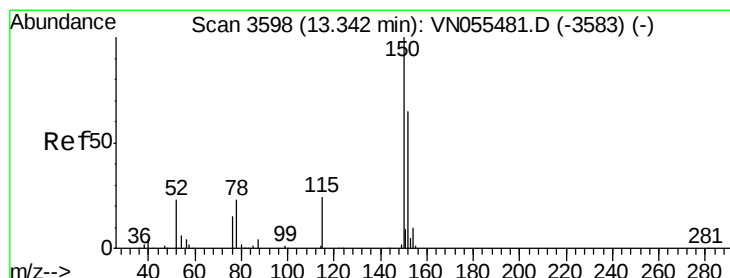
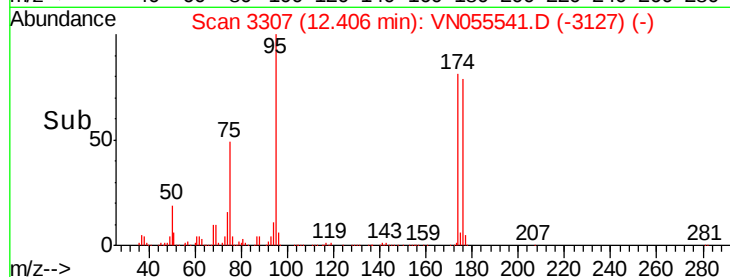
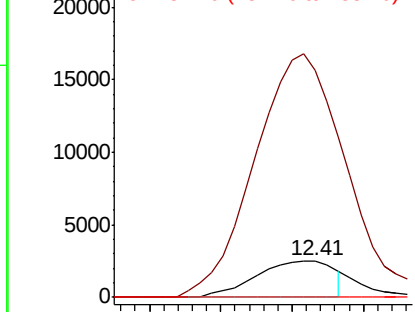
173 100

175 659.0 24.1 72.4#

254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN055541.D

Acq: 10 May 2019 10:41

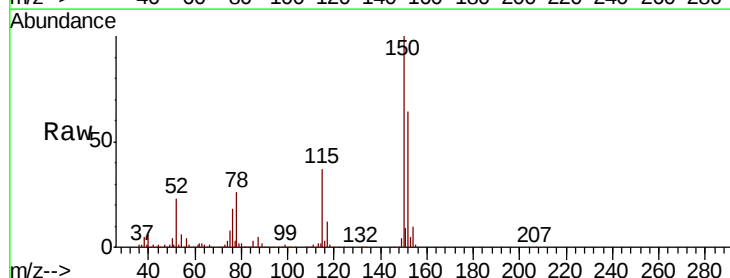
Tgt Ion:152 Resp: 358038

Ion Ratio Lower Upper

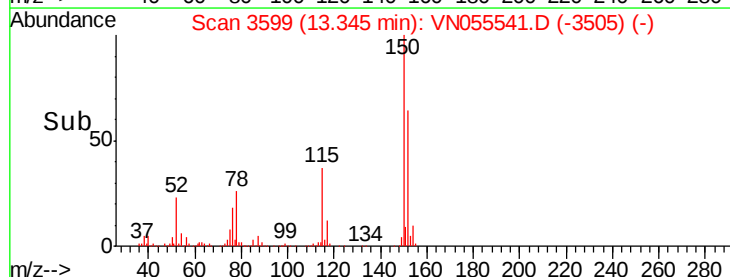
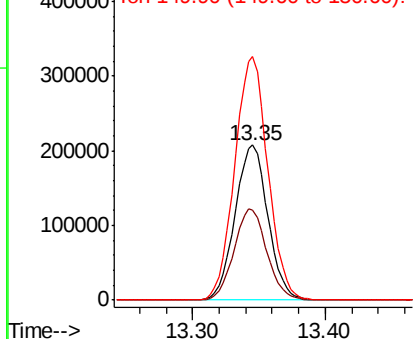
152 100

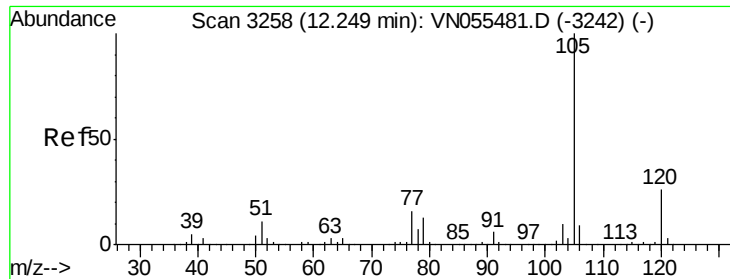
115 58.2 30.1 90.5

150 158.1 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# 3258

Delta R.T. 0.00 min

Lab File: VN055541.D

Acq: 10 May 2019 10:41

Instrument :

MSVOA_N

ClientSampleId :

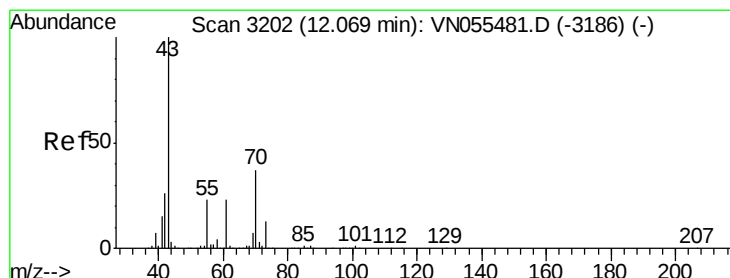
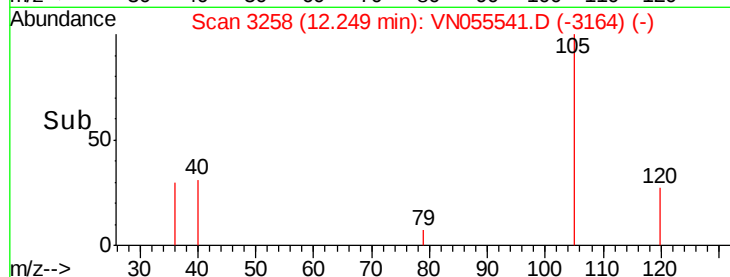
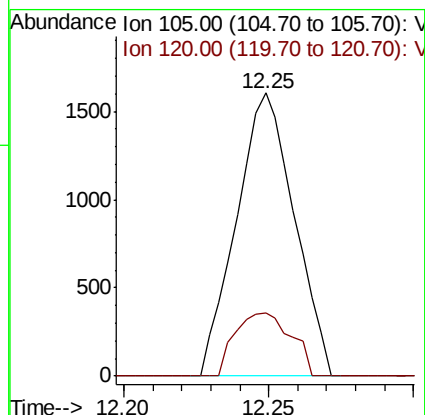
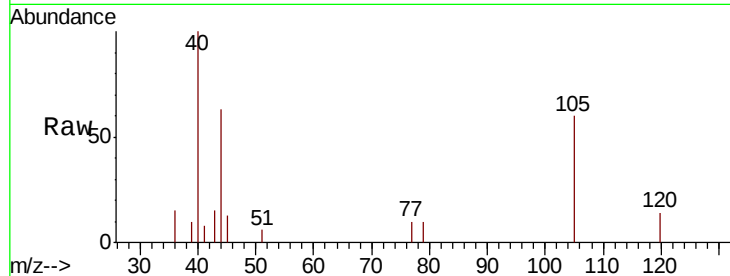
PB114593TB

Tot Ion: 105 Resp: 2221

Ion Ratio Lower Upper

105 100

120 21.5 13.0 39.0



#74

N-ethyl acetate

Concen: 0.328 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN055541.D

Acq: 10 May 2019 10:41

Tgt Ion: 43 Resp: 4457

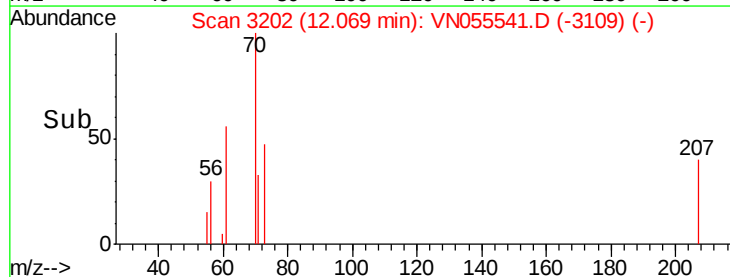
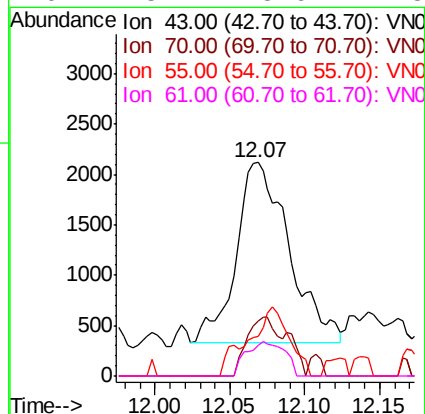
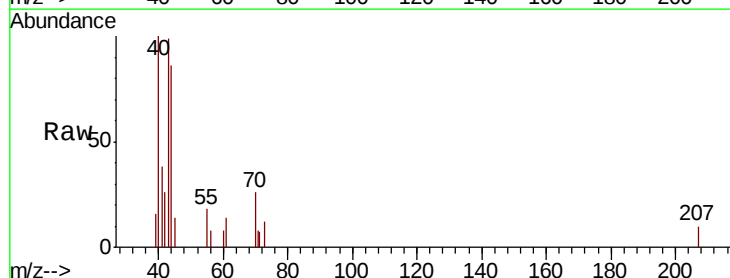
Ion Ratio Lower Upper

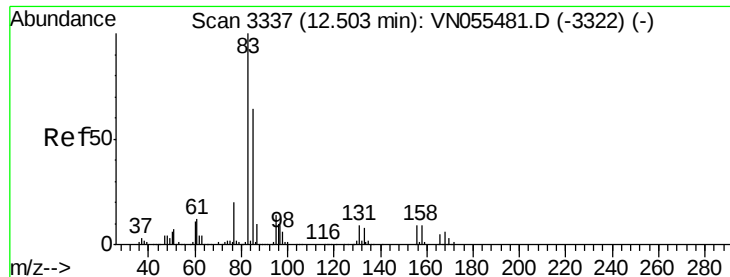
43 100

70 18.8 30.7 46.1#

55 29.1 19.3 28.9#

61 13.7 18.6 27.8#





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.50 min Scan# 3335

Delta R.T. -0.01 min

Lab File: VN055541.D

Acq: 10 May 2019 10:41

Instrument :

MSVOA_N

ClientSampleId :

PB114593TB

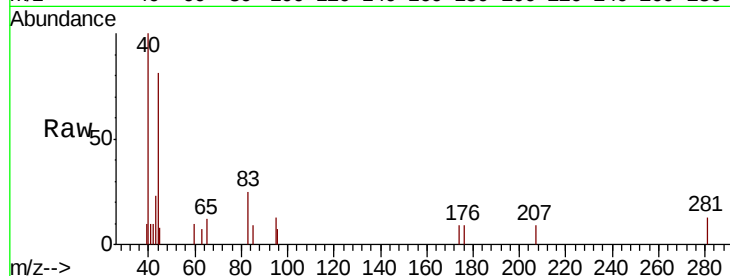
Tot Ion: 83 Resp: 494

Ion Ratio Lower Upper

83 100

131 0.0 4.5 13.5#

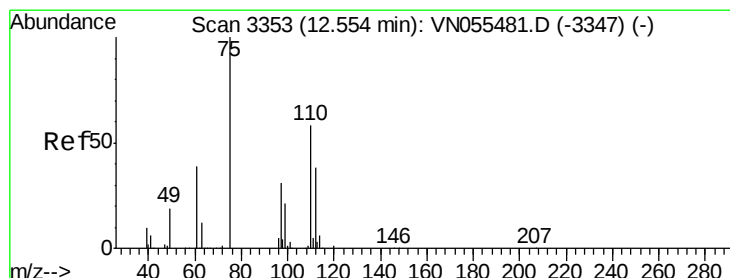
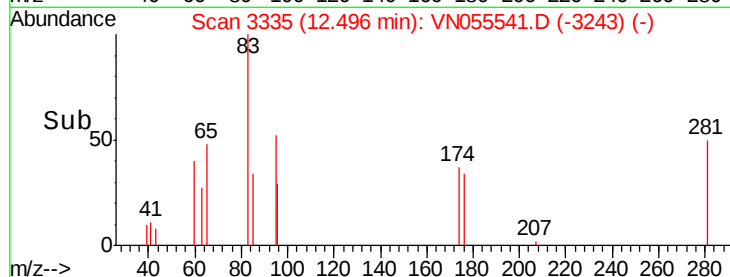
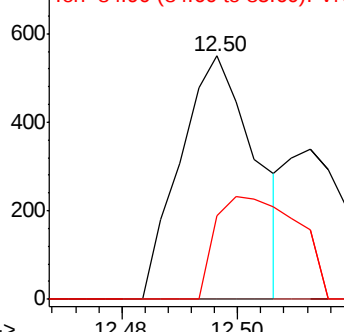
85 46.6 32.0 96.0



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: 26.860 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055541.D

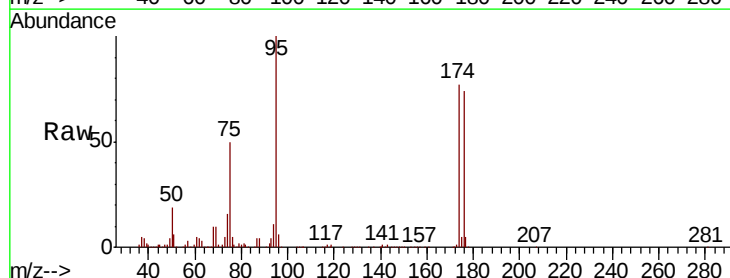
Acq: 10 May 2019 10:41

Tgt Ion: 75 Resp: 261803

Ion Ratio Lower Upper

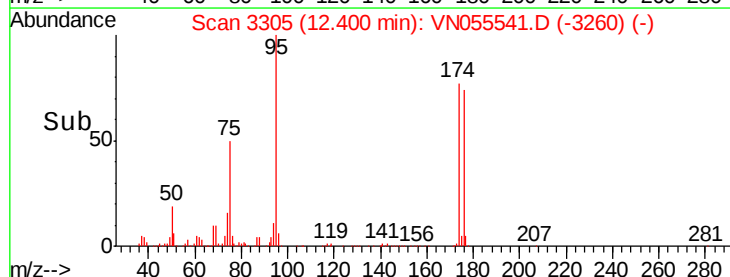
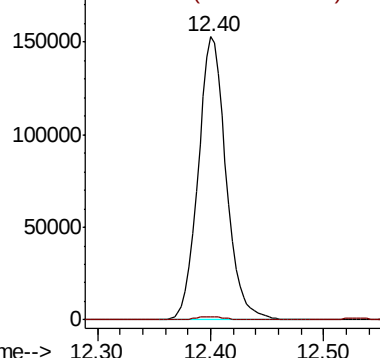
75 100

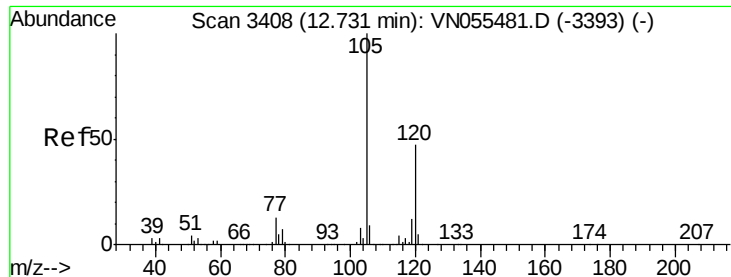
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

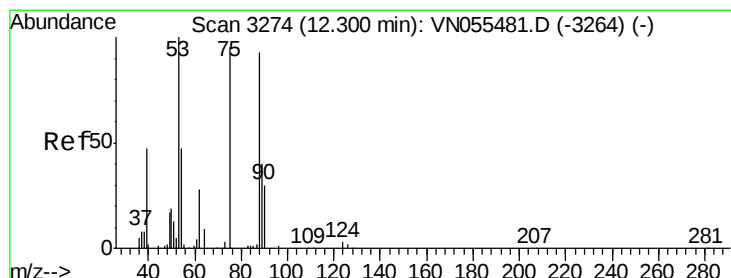
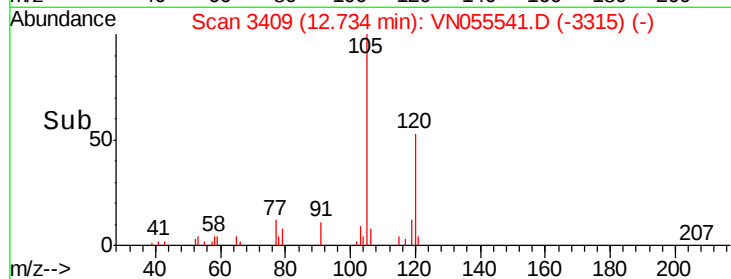
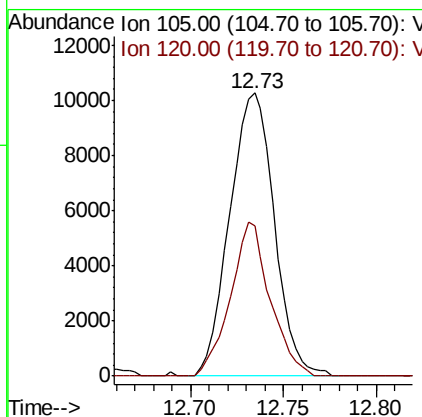
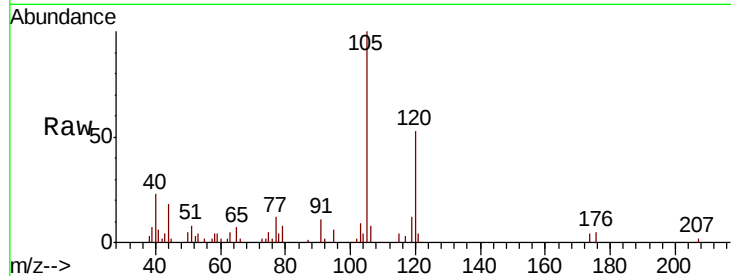




#80
 1,3,5-Trimethylbenzene
 Concen: 0.600 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN055541.D
 Acq: 10 May 2019 10:41

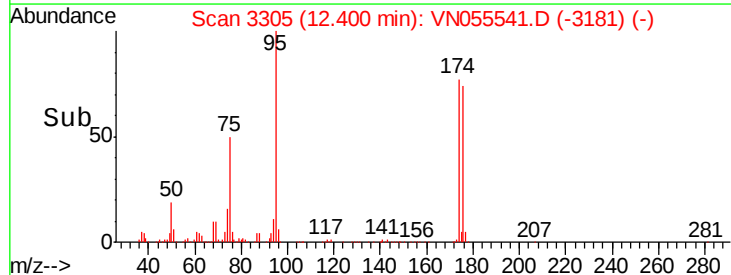
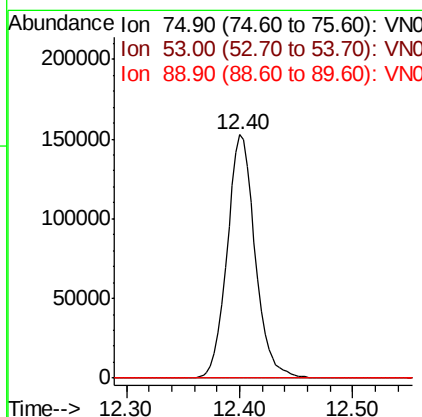
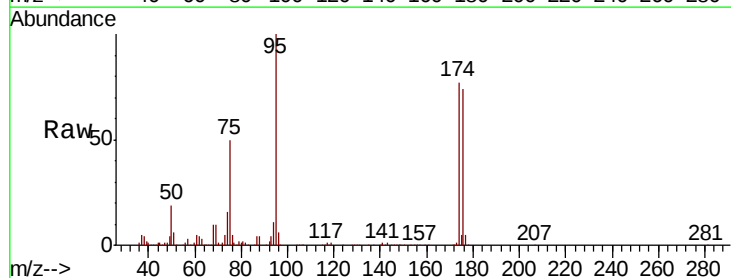
Instrument :
 MSVOA_N
 ClientSampleId :
 PB114593TB

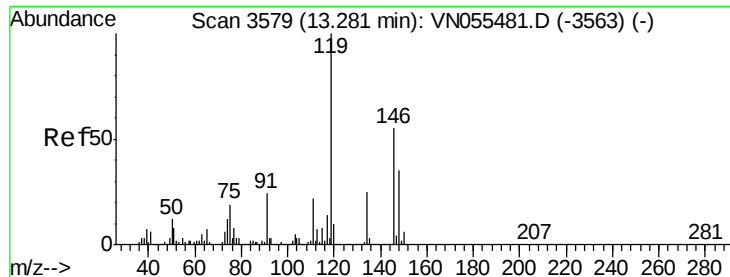
Tot Ion:105 Resp: 17178
 Ion Ratio Lower Upper
 105 100
 120 48.4 23.4 70.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 99.109 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN055541.D
 Acq: 10 May 2019 10:41

Tgt Ion: 75 Resp: 261803
 Ion Ratio Lower Upper
 75 100
 53 0.1 86.5 129.7#
 89 0.0 35.7 53.5#





#87

1,3-Dichlorobenzene

Concen: 0.225 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN055541.D

Acq: 10 May 2019 10:41

Instrument :

MSVOA_N

ClientSampled :

PB114593TB

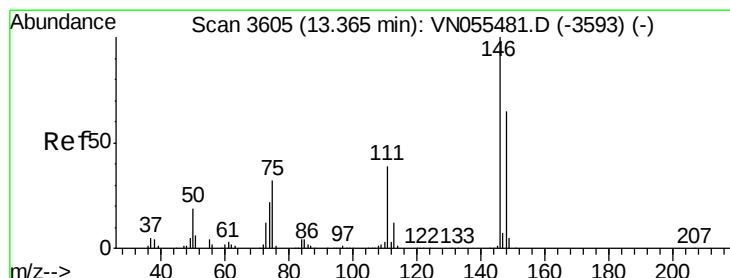
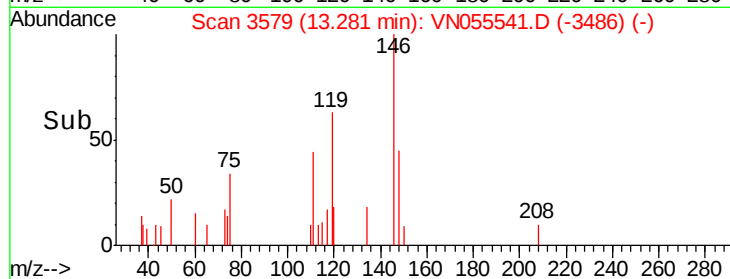
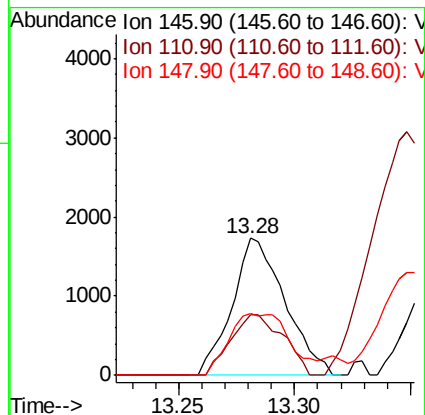
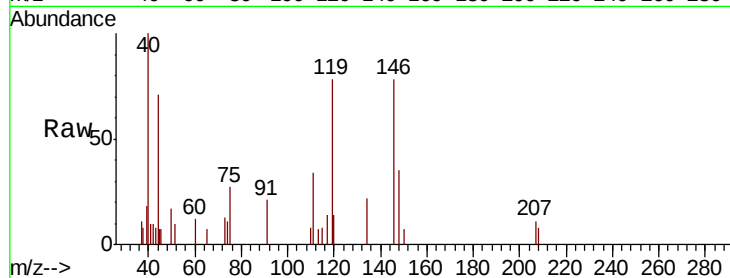
Tot Ion:146 Resp: 2739

Ion Ratio Lower Upper

146 100

111 43.8 20.4 61.3

148 51.7 32.1 96.5



#88

1,4-Dichlorobenzene

Concen: 0.228 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.08 min

Lab File: VN055541.D

Acq: 10 May 2019 10:41

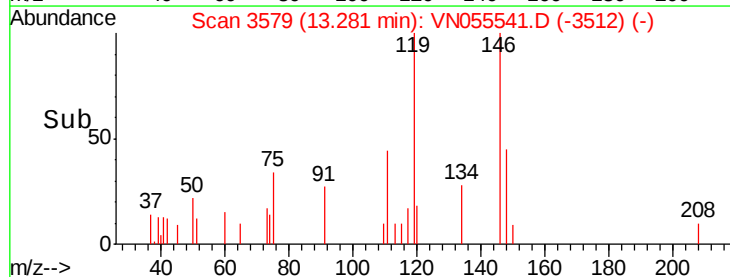
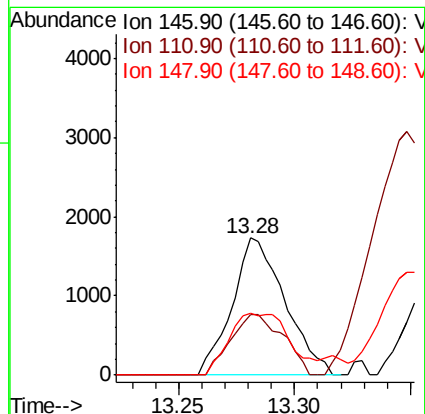
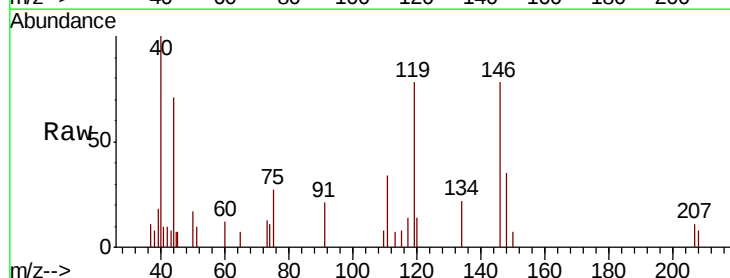
Tgt Ion:146 Resp: 2739

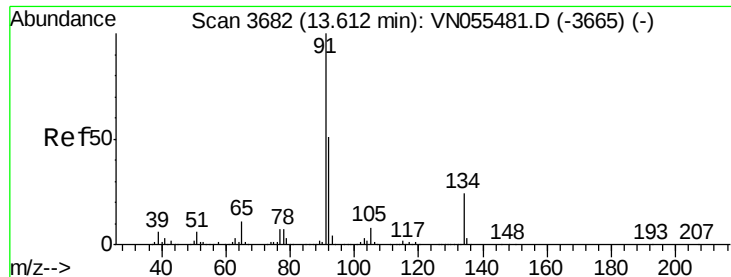
Ion Ratio Lower Upper

146 100

111 43.8 19.6 58.8

148 51.7 32.5 97.4

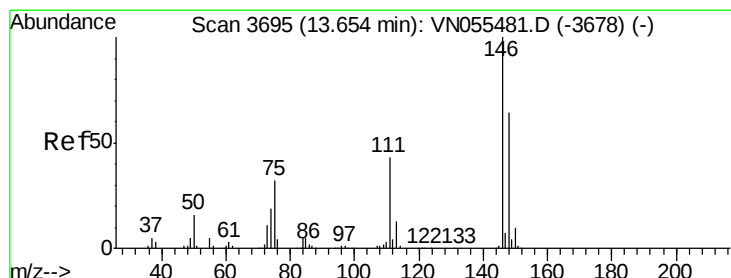
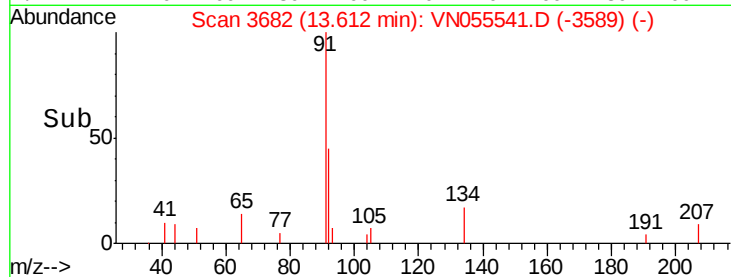
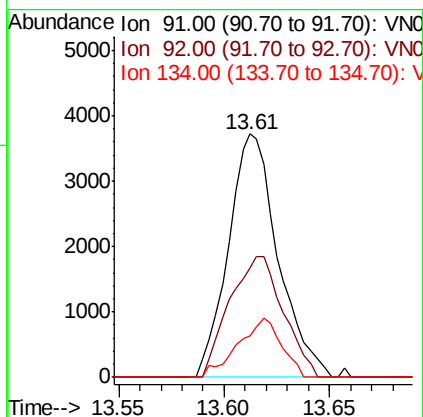
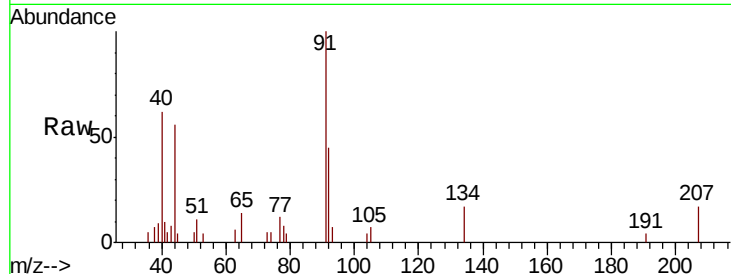




#89
n-Butylbenzene
Concen: 0.295 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN055481.D
Acq: 10 May 2019 10:41

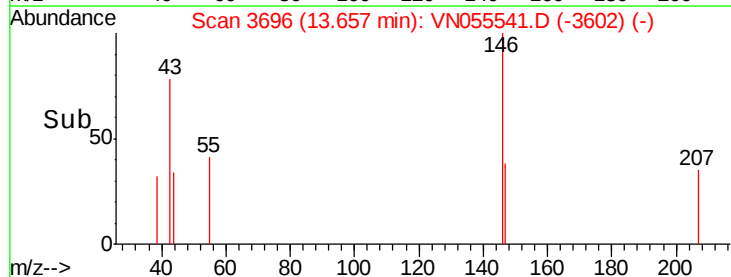
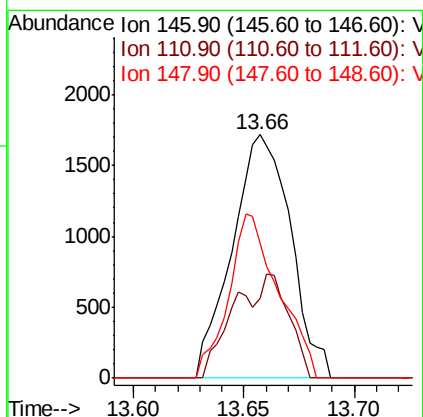
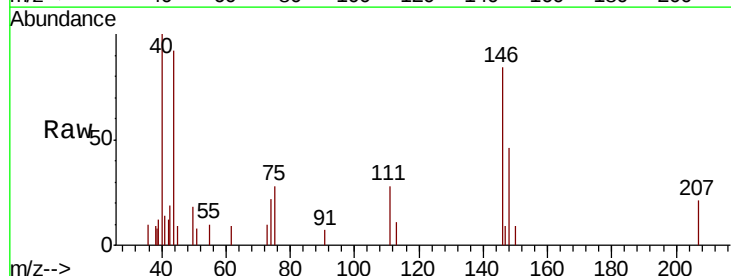
Instrument :
MSVOA_N
ClientSampleId :
PB114593TB

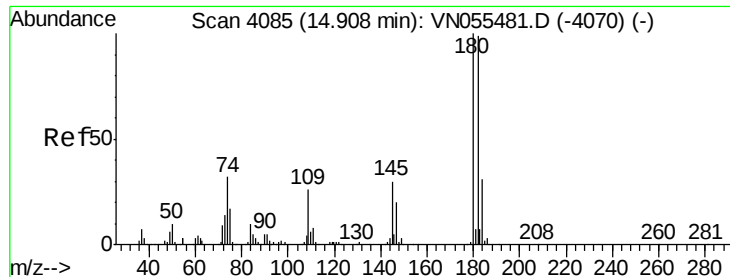
Tot Ion: 91 Resp: 6063
Ion Ratio Lower Upper
91 100
92 53.8 25.9 77.7
134 21.1 11.8 35.4



#91
1,2-Dichlorobenzene
Concen: 0.259 ug/l
RT: 13.66 min Scan# 3696
Delta R.T. 0.00 min
Lab File: VN055481.D
Acq: 10 May 2019 10:41

Tgt Ion: 146 Resp: 3153
Ion Ratio Lower Upper
146 100
111 21.9 21.3 63.7
148 0.0 31.9 95.9#





#93

1,2,4-Trichlorobenzene

Concen: 3.724 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN055541.D

Acq: 10 May 2019 10:41

Instrument :

MSVOA_N

ClientSampled :

PB114593TB

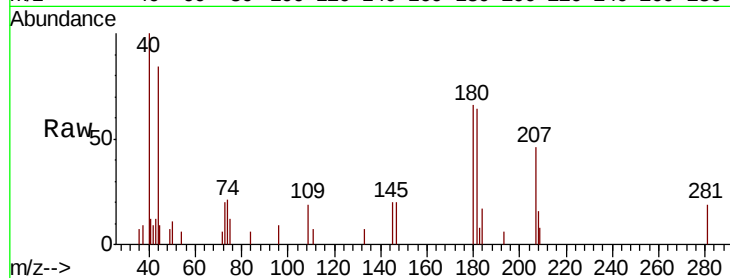
Tot Ion:180 Resp: 2940

Ion Ratio Lower Upper

180 100

182 102.8 48.7 146.1

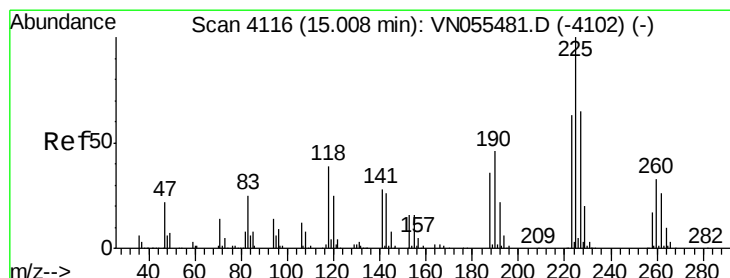
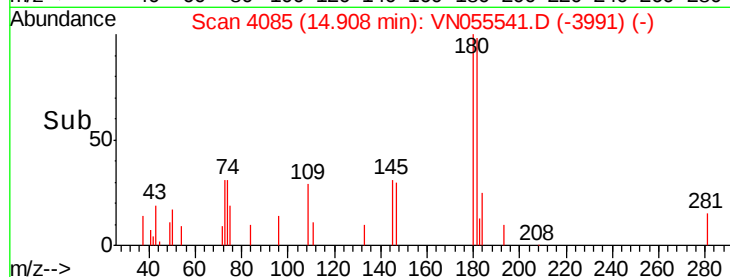
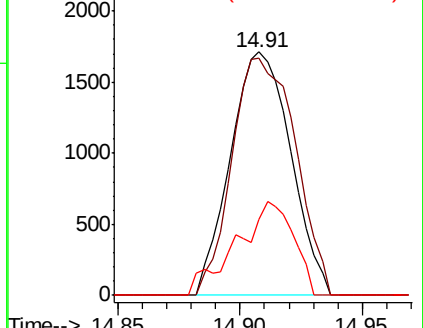
145 36.5 15.3 45.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.00 min Scan# 4115

Delta R.T. -0.00 min

Lab File: VN055541.D

Acq: 10 May 2019 10:41

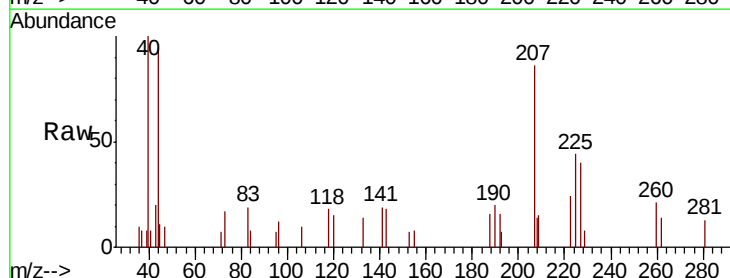
Tgt Ion:225 Resp: 1595

Ion Ratio Lower Upper

225 100

223 65.0 31.4 94.3

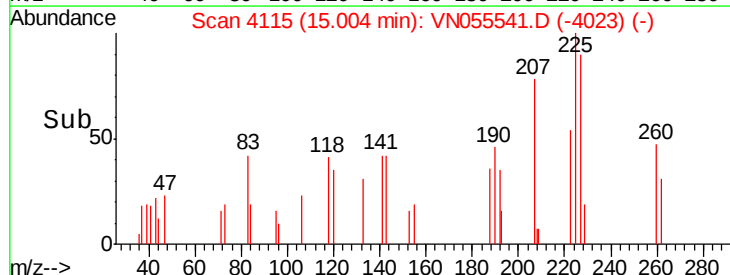
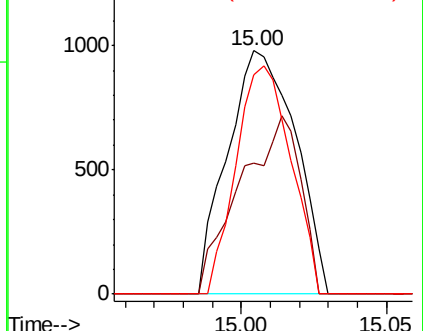
227 75.4 32.0 96.0

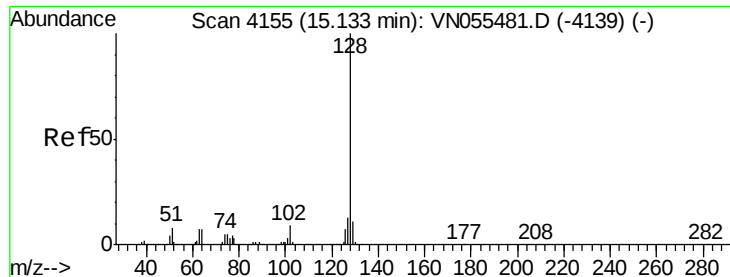


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 3.563 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN055541.D

Acq: 10 May 2019 10:41

Instrument :

MSVOA_N

ClientSampleId :

PB114593TB

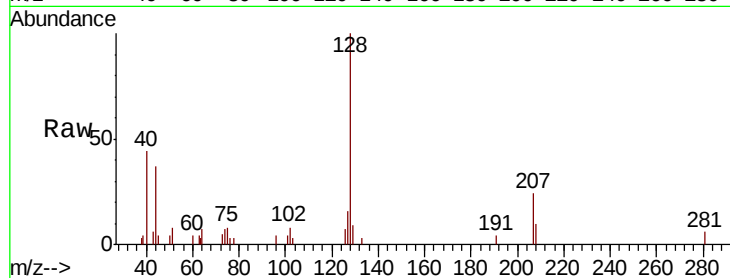
Tot Ion:128 Resp: 9934

Ion Ratio Lower Upper

128 100

127 12.6 10.0 15.0

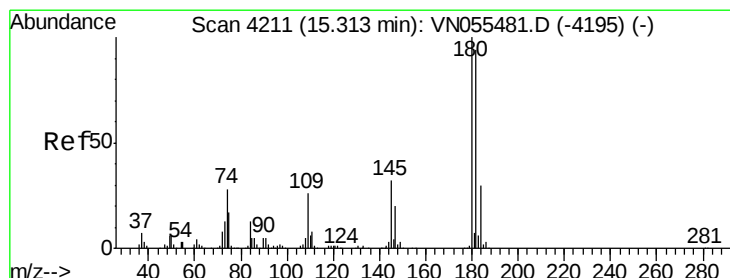
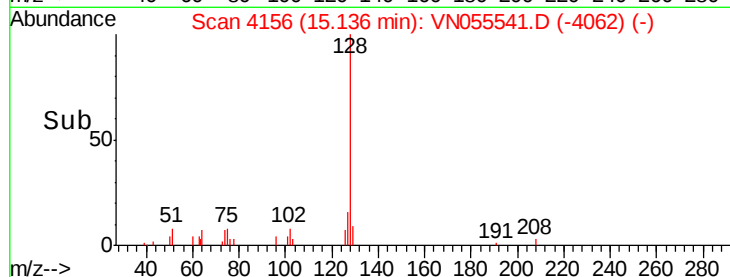
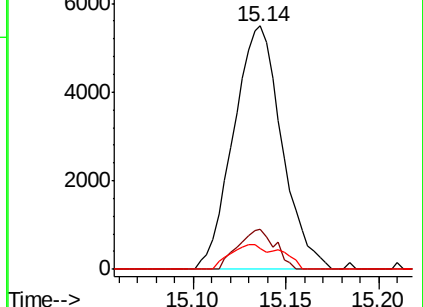
129 10.5 8.8 13.2



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: 3.108 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055541.D

Acq: 10 May 2019 10:41

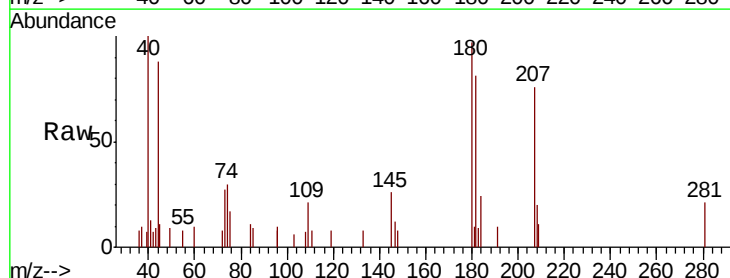
Tgt Ion:180 Resp: 4135

Ion Ratio Lower Upper

180 100

182 84.1 47.1 141.3

145 19.0 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

