

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072219\
 Data File : VN056861.D
 Acq On : 22 Jul 2019 18:10
 Operator : JC/SP
 Sample : PB121556ZHE#01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB121556ZHE#01

Quant Time: Jul 23 02:12:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072219W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 23 01:46:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	254685	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	457730	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	514639	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	166122	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	147519	54.30	ug/l	0.00
Spiked Amount			Recovery	=	108.60%	
35) Dibromofluoromethane	7.59	113	138921	47.88	ug/l	0.00
Spiked Amount			Recovery	=	95.76%	
50) Toluene-d8	10.09	98	592156	53.35	ug/l	0.00
Spiked Amount			Recovery	=	106.70%	
62) 4-Bromofluorobenzene	12.40	95	211589	58.25	ug/l	0.00
Spiked Amount			Recovery	=	116.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	138	Below Cal	#	42
3) Chloromethane	2.06	50	767	0.216	ug/l #	42
5) Bromomethane	2.56	94	1380	0.695	ug/l #	73
10) Methyl Iodide	3.94	142	809	0.359	ug/l #	60
16) Acetone	3.82	43	21159	21.629	ug/l	95
17) Carbon Disulfide	4.05	76	2437	0.361	ug/l #	75
20) Methylene Chloride	4.54	84	2887	0.987	ug/l #	85
25) 2-Butanone	6.86	43	2339	1.627	ug/l	94
29) Tetrahydrofuran	7.22	42	300	0.303	ug/l #	34
31) Cyclohexane	7.66	56	3956	0.857	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	16398	3.885	ug/l #	48
38) Carbon Tetrachloride	7.66	117	22169	5.517	ug/l #	17
43) Isopropyl Acetate	8.17	43	18111	3.095	ug/l #	93
45) 1,2-Dichloropropane	9.27	63	1501	0.425	ug/l #	43
48) Methyl methacrylate	9.18	41	7056	2.410	ug/l #	13
49) 1,4-Dioxane	9.27	88	30	0.522	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	3864	1.107	ug/l	91
54) cis-1,3-Dichloropropene	9.90	75	48589	9.794	ug/l #	63
56) Ethyl methacrylate	10.54	69	947	0.218	ug/l #	1
57) 1,3-Dichloropropane	10.76	76	9905	1.911	ug/l #	42
59) 2-Hexanone	10.76	43	132436	54.827	ug/l #	51
68) m/p-Xylenes	11.63	106	3760	0.544	ug/l	99
70) Styrene	11.96	104	738	0.581	ug/l #	40
71) Bromoform	12.40	173	1773	0.635	ug/l #	1
73) Isopropylbenzene	12.25	105	866	Below Cal	#	72
76) 1,2,3-Trichloropropane	12.40	75	99418	28.877	ug/l #	100
79) 2-Chlorotoluene	12.78	91	1247	Below Cal		84
80) 1,3,5-Trimethylbenzene	12.73	105	2466	Below Cal		91
81) trans-1,4-Dichloro-2-buten	12.40	75	99418	92.489	ug/l #	13
83) tert-Butylbenzene	12.99	119	741	Below Cal	#	64
93) 1,2,4-Trichlorobenzene	14.91	180	1498	4.568	ug/l	89
94) Hexachlorobutadiene	15.00	225	293	Below Cal		88
95) Naphthalene	15.14	128	4452	4.137	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	1851	3.019	ug/l	96

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Quant Title : SW846 8260
QLast Update : Tue Jul 23 01:46:34 2019
Response via : Initial Calibration

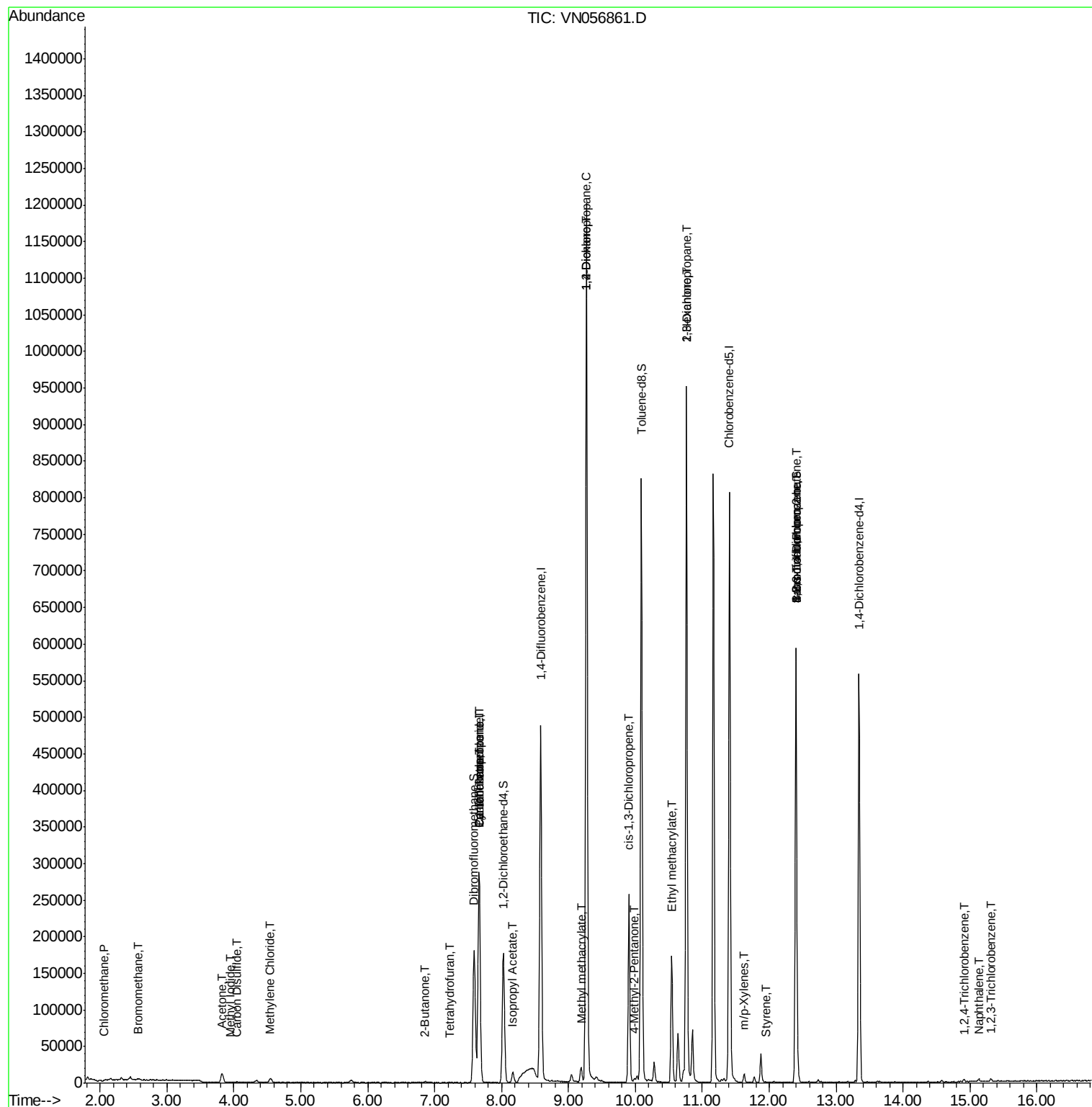
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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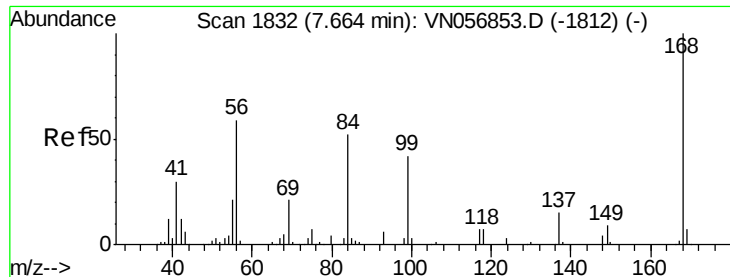
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN072219\
Data File : VN056861.D
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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: VN056861.D

Acq: 22 Jul 2019 18:10

Instrument :

MSVOA_N

ClientSampleId :

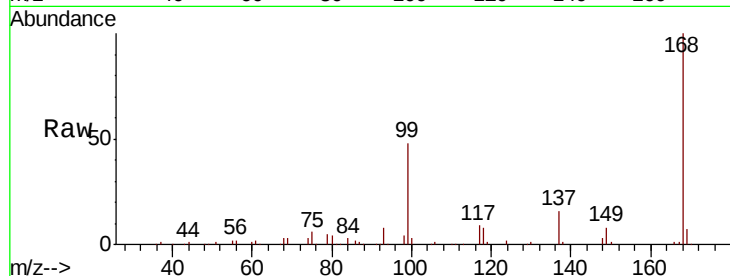
PB121556ZHE#01

Tot Ion:168 Resp: 254685

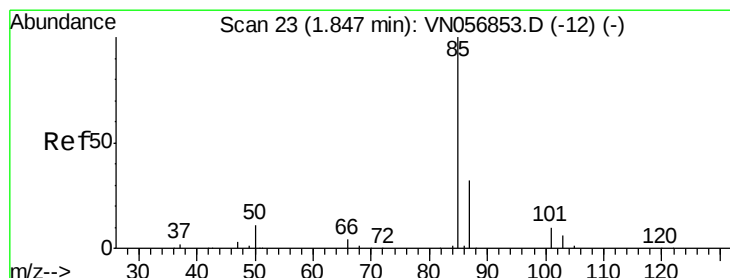
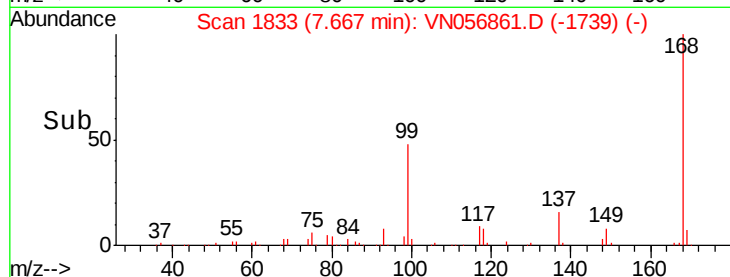
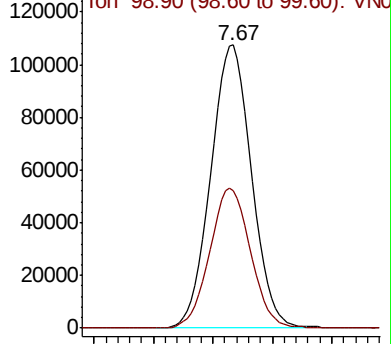
Ion Ratio Lower Upper

168 100

99 48.4 40.9 61.3



Abundance Ion 167.90 (167.60 to 168.60): VN056861.D (-1739) (-)



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056861.D

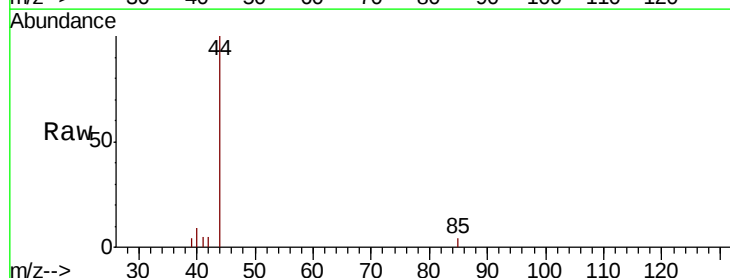
Acq: 22 Jul 2019 18:10

Tgt Ion: 85 Resp: 138

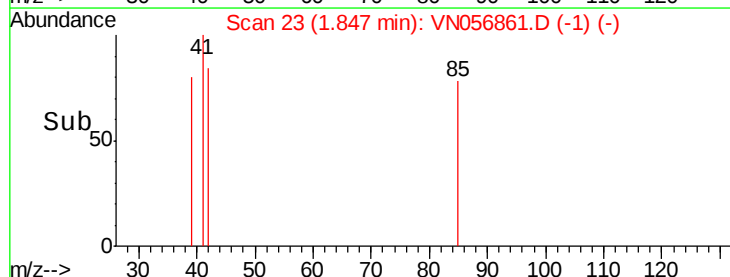
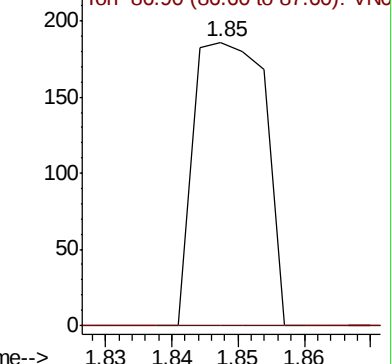
Ion Ratio Lower Upper

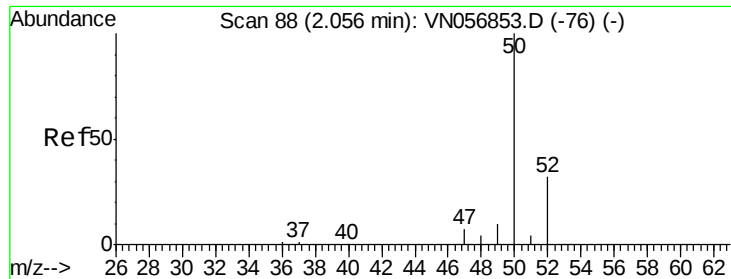
85 100

87 0.0 16.2 48.5#



Abundance Ion 84.90 (84.60 to 85.60): VN056861.D (-1) (-)

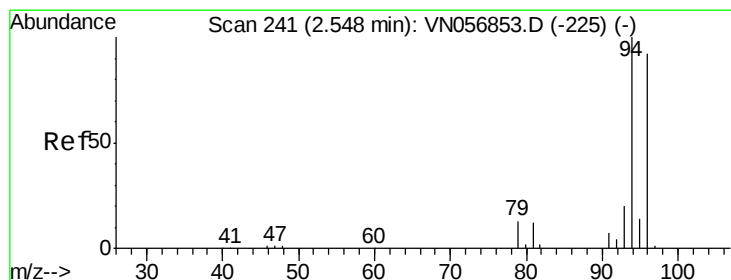
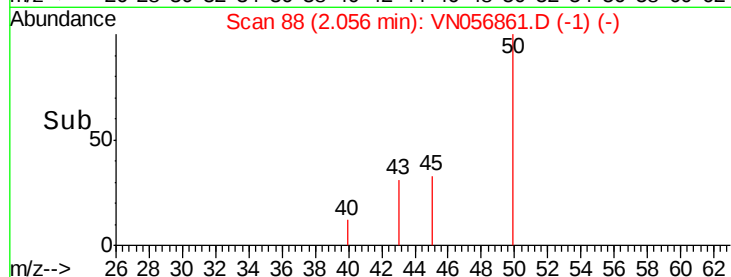
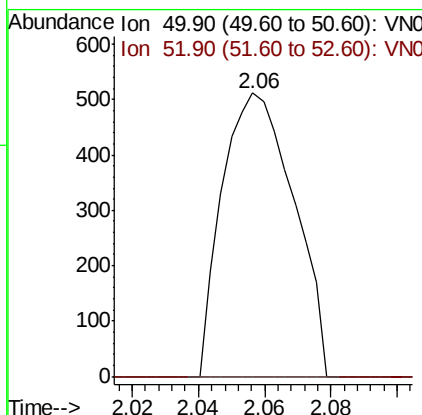
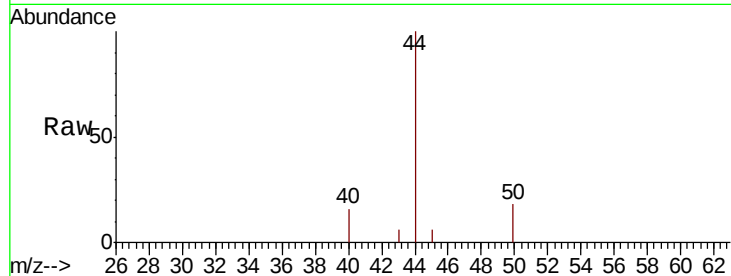




#3
 Chloromethane
 Concen: 0.216 ug/l
 RT: 2.06 min Scan# 88
 Delta R.T. 0.00 min
 Lab File: VN056861.D
 Acq: 22 Jul 2019 18:10

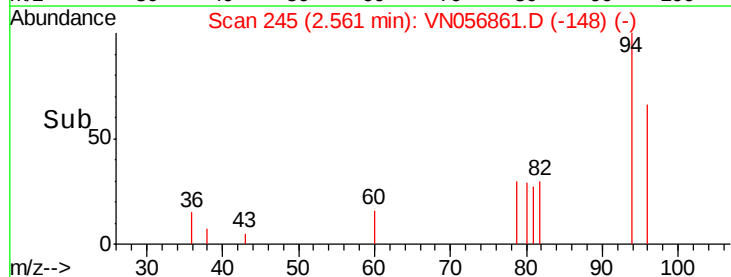
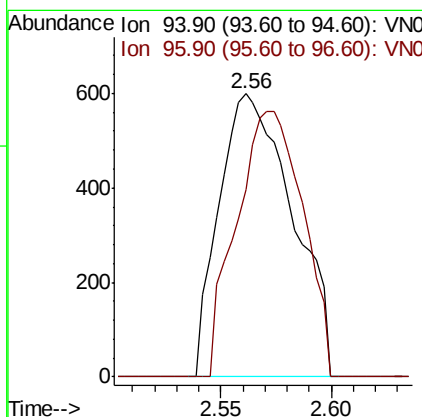
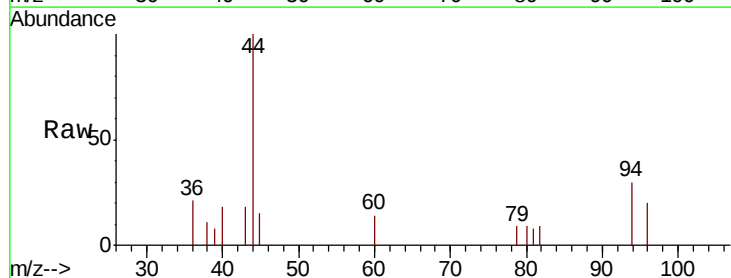
Instrument :
 MSVOA_N
 ClientSampleId :
 PB121556ZHE#01

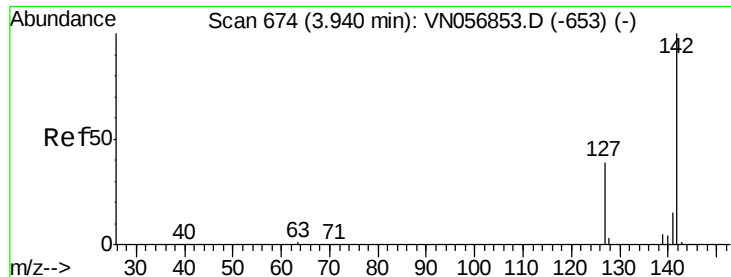
Tot Ion: 50 Resp: 767
 Ion Ratio Lower Upper
 50 100
 52 0.0 25.9 38.9#



#5
 Bromomethane
 Concen: 0.695 ug/l
 RT: 2.56 min Scan# 245
 Delta R.T. 0.01 min
 Lab File: VN056861.D
 Acq: 22 Jul 2019 18:10

Tgt Ion: 94 Resp: 1380
 Ion Ratio Lower Upper
 94 100
 96 66.1 73.6 110.4#

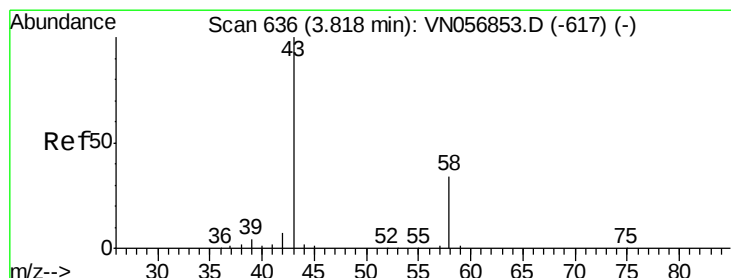
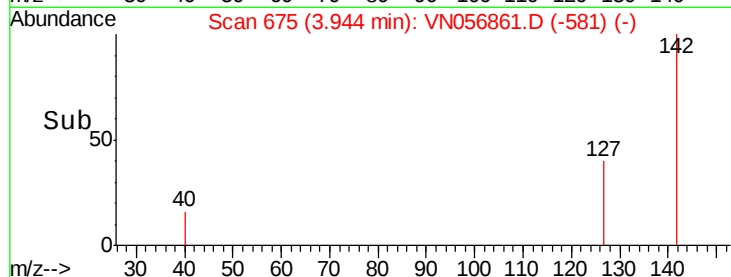
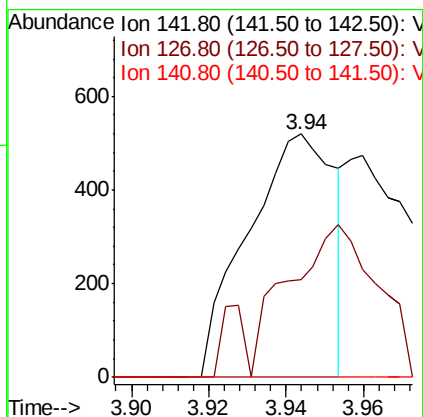
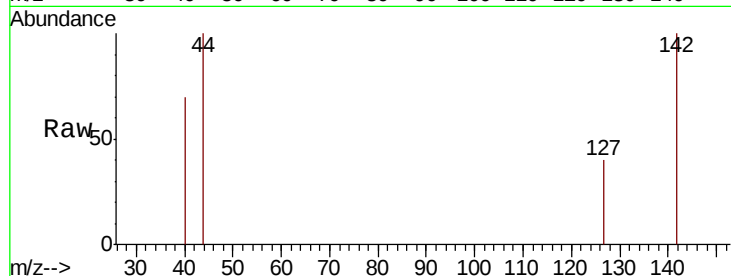




#10
Methvl Iodide
Concen: 0.359 ug/l
RT: 3.94 min Scan# 675
Delta R.T. 0.00 min
Lab File: VN056861.D
Acq: 22 Jul 2019 18:10

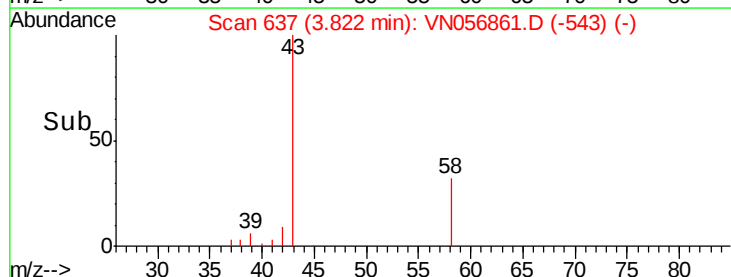
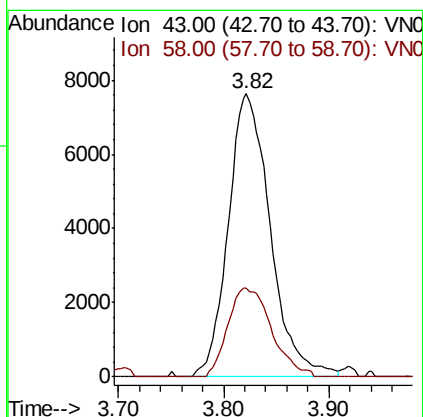
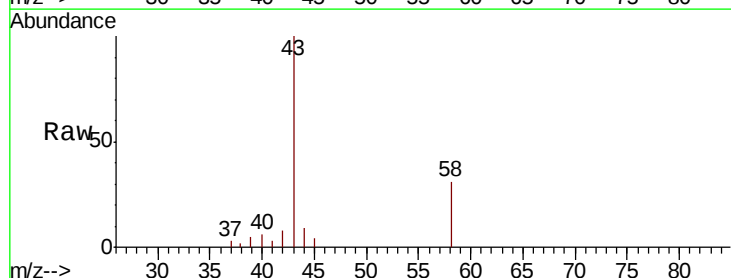
Instrument :
MSVOA_N
ClientSampleId :
PB121556ZHE#01

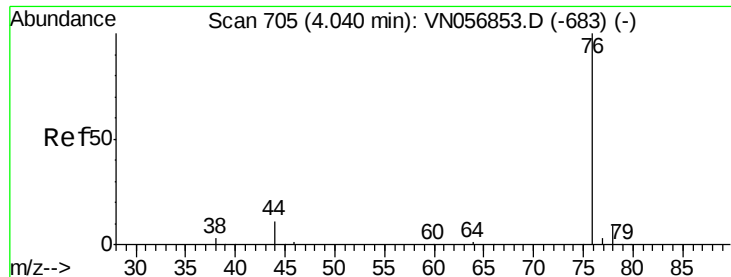
Tot Ion:142 Resp: 809
Ion Ratio Lower Upper
142 100
127 64.3 31.2 46.8#
141 0.0 11.4 17.2#



#16
Acetone
Concen: 21.629 ug/l
RT: 3.82 min Scan# 637
Delta R.T. 0.00 min
Lab File: VN056861.D
Acq: 22 Jul 2019 18:10

Tgt Ion: 43 Resp: 21159
Ion Ratio Lower Upper
43 100
58 31.2 27.3 40.9





#17

Carbon Disulfide

Concen: 0.361 ug/l

RT: 4.05 min Scan# 707

Delta R.T. 0.01 min

Lab File: VN056861.D

Acq: 22 Jul 2019 18:10

Instrument :

MSVOA_N

ClientSampleId :

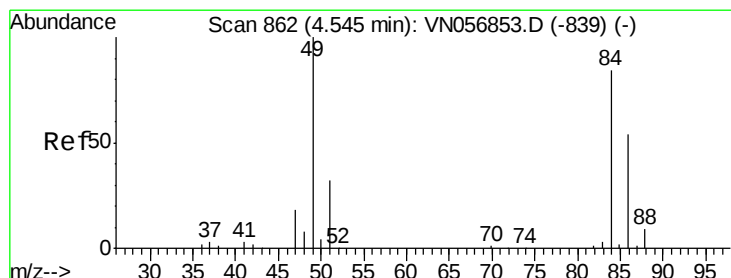
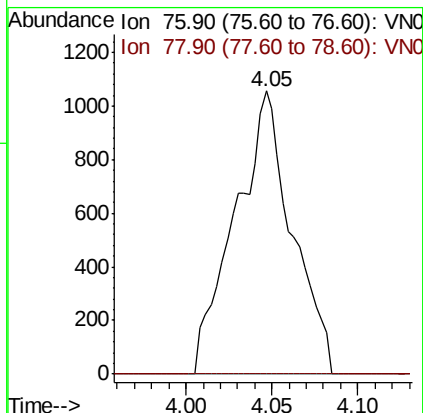
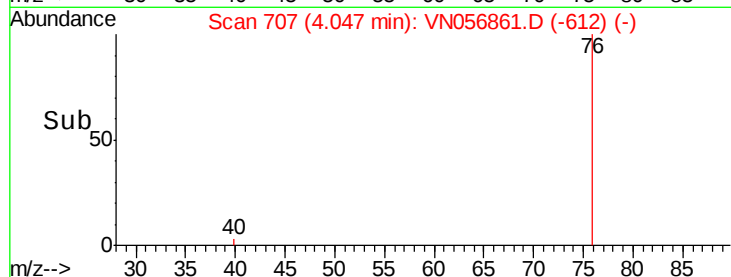
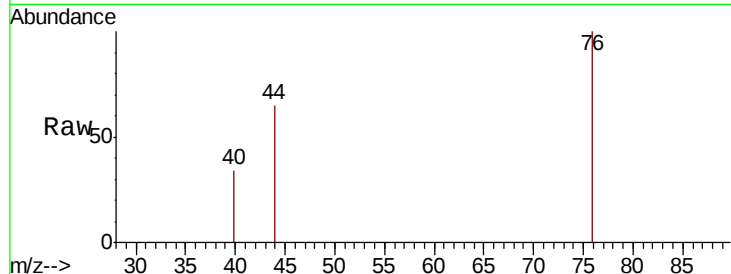
PB121556ZHE#01

Tot Ion: 76 Resp: 2437

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



#20

Methylene Chloride

Concen: 0.987 ug/l

RT: 4.54 min Scan# 861

Delta R.T. -0.00 min

Lab File: VN056861.D

Acq: 22 Jul 2019 18:10

Tgt Ion: 84 Resp: 2887

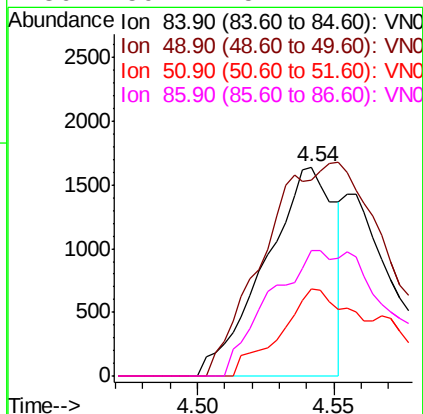
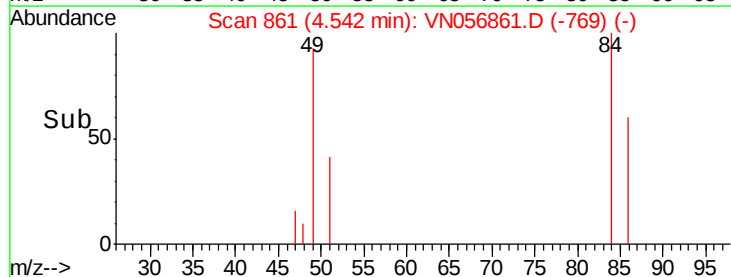
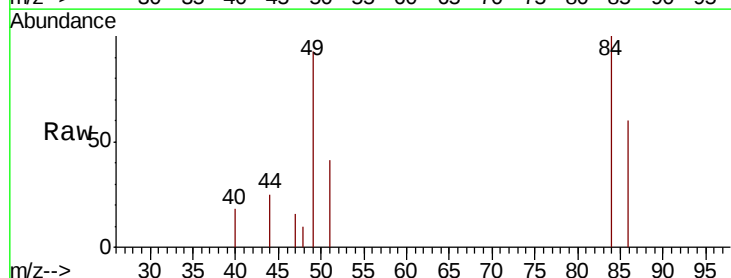
Ion Ratio Lower Upper

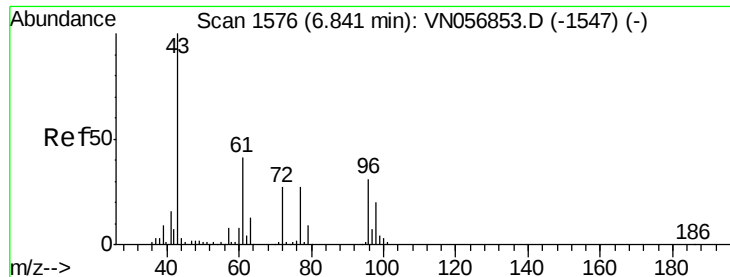
84 100

49 93.4 94.9 142.3#

51 41.4 29.9 44.9

86 59.7 51.4 77.2





#25

2-Butanone

Concen: 1.627 ug/l

RT: 6.86 min Scan# 1581

Delta R.T. 0.02 min

Lab File: VN056861.D

Acq: 22 Jul 2019 18:10

Instrument :

MSVOA_N

ClientSampleId :

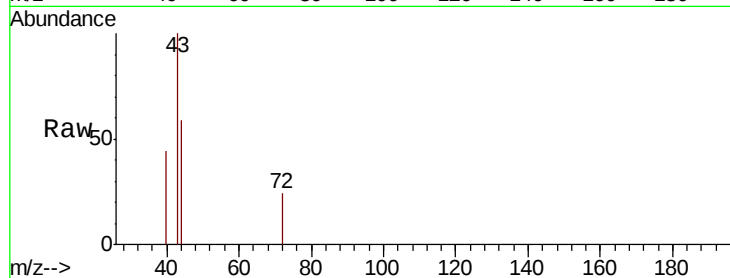
PB121556ZHE#01

Tot Ion: 43 Resp: 2339

Ion Ratio Lower Upper

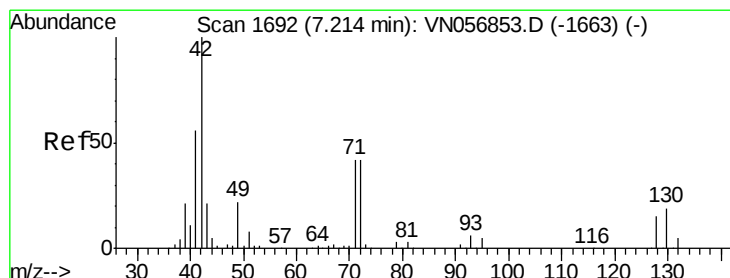
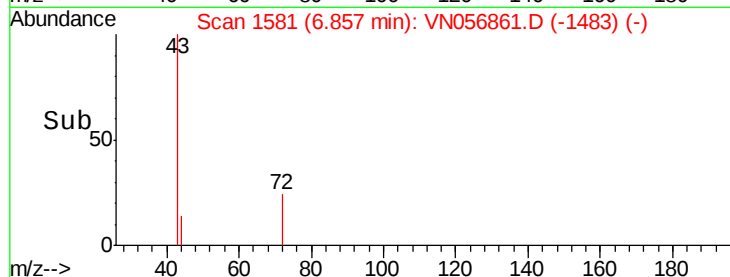
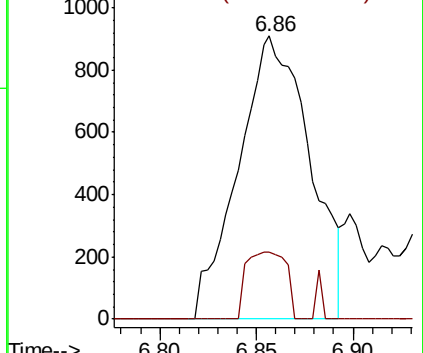
43 100

72 23.5 21.5 32.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#29

Tetrahydrofuran

Concen: 0.303 ug/l

RT: 7.22 min Scan# 1695

Delta R.T. 0.01 min

Lab File: VN056861.D

Acq: 22 Jul 2019 18:10

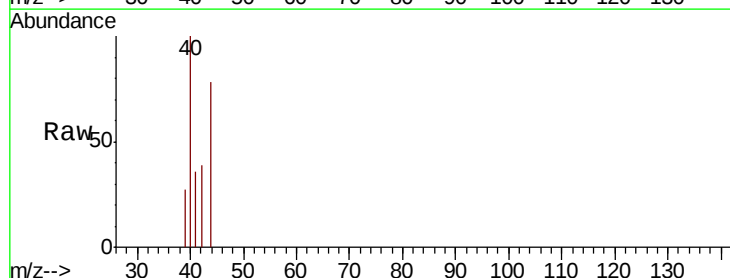
Tgt Ion: 42 Resp: 300

Ion Ratio Lower Upper

42 100

72 0.0 34.2 51.2#

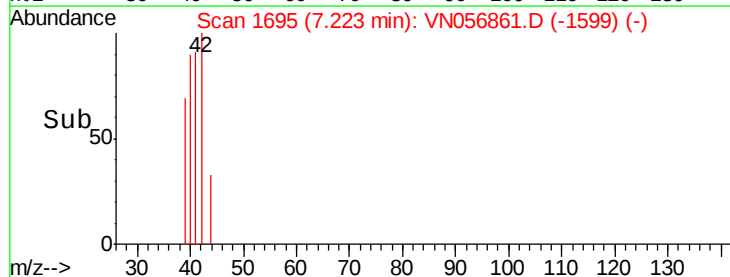
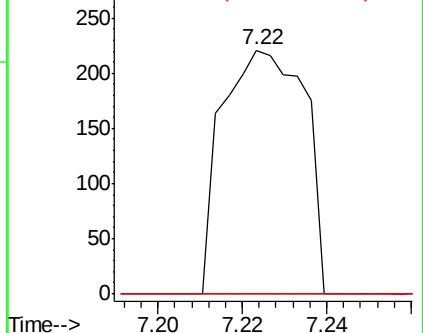
71 0.0 32.7 49.1#

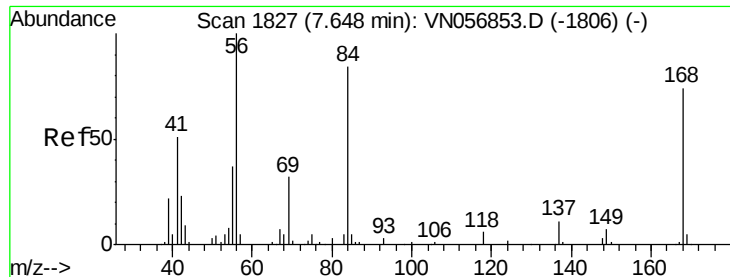


Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0

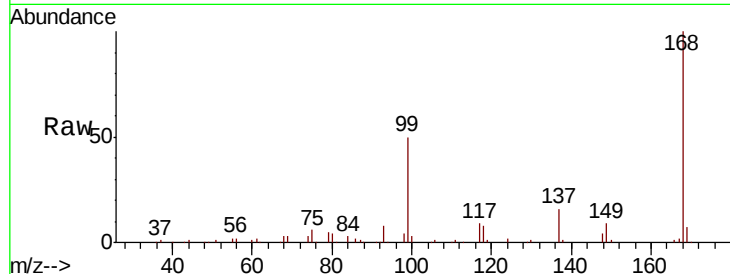




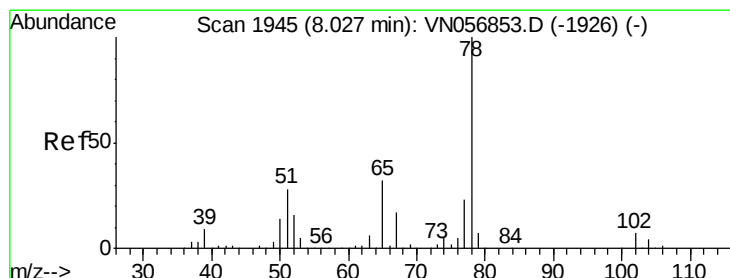
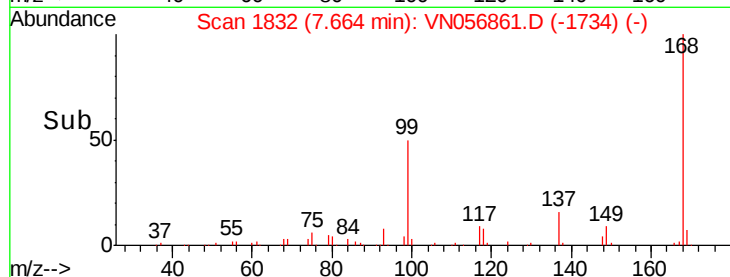
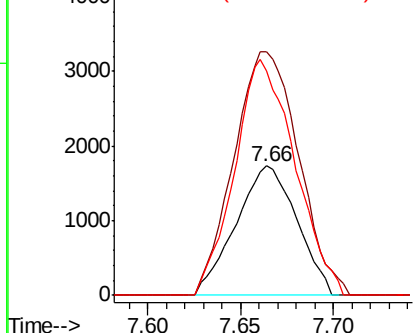
#31
Cyclohexane
Concen: 0.857 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.02 min
Lab File: VN056861.D
Acq: 22 Jul 2019 18:10

Instrument :
MSVOA_N
ClientSampleId :
PB121556ZHE#01

Tot Ion: 56 Resp: 3956
Ion Ratio Lower Upper
56 100
69 188.4 25.5 38.3#
84 173.4 67.3 100.9#

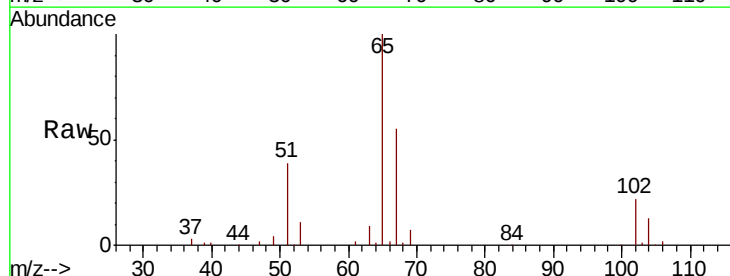


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

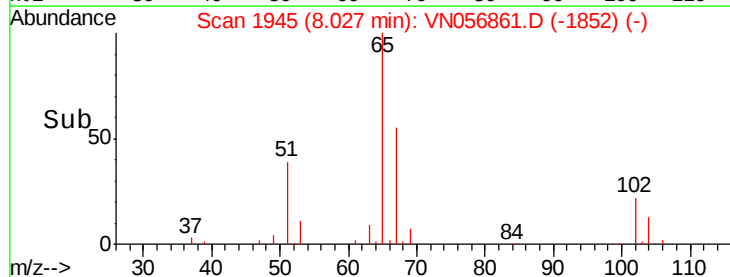
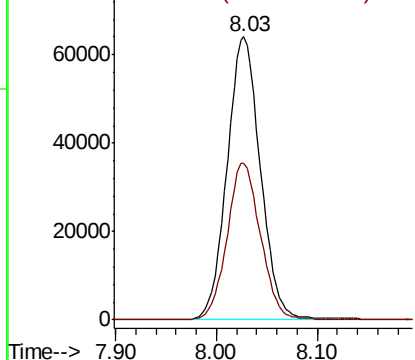


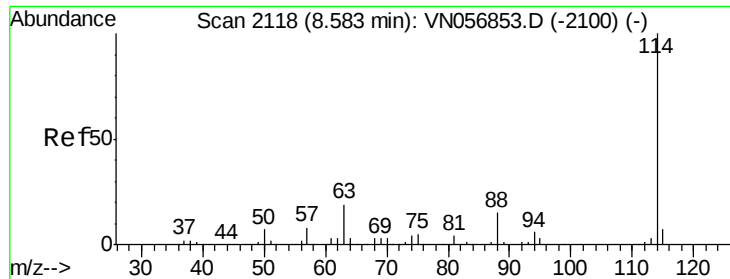
#33
1,2-Dichloroethane-d4
Concen: 54.303 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN056861.D
Acq: 22 Jul 2019 18:10

Tgt Ion: 65 Resp: 147519
Ion Ratio Lower Upper
65 100
67 55.5 0.0 108.6



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

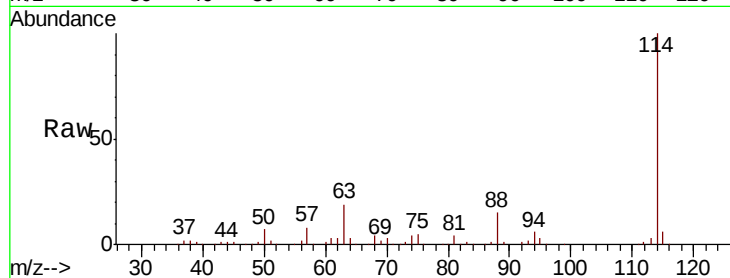




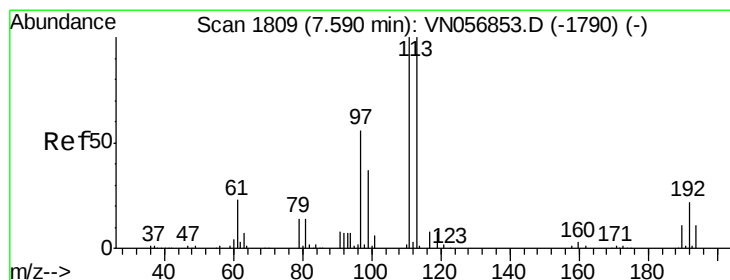
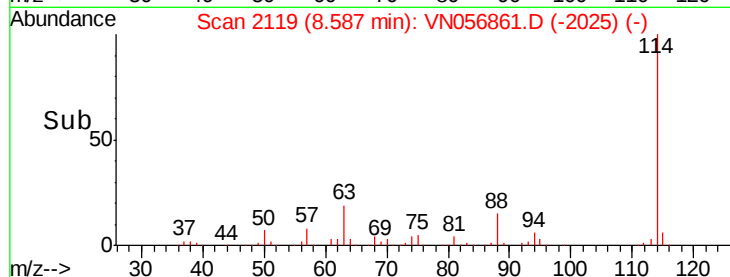
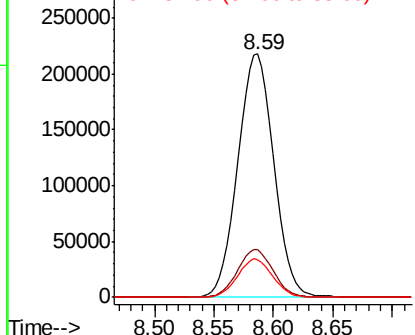
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056861.D
 Acq: 22 Jul 2019 18:10

Instrument :
 MSVOA_N
 ClientSampleId :
 PB121556ZHE#01

Tot Ion:114 Resp: 457730
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 37.8
 88 15.2 0.0 31.0

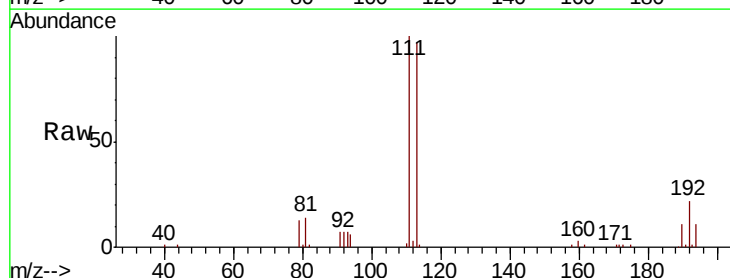


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

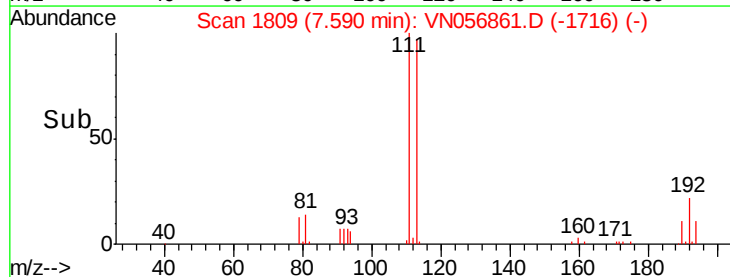
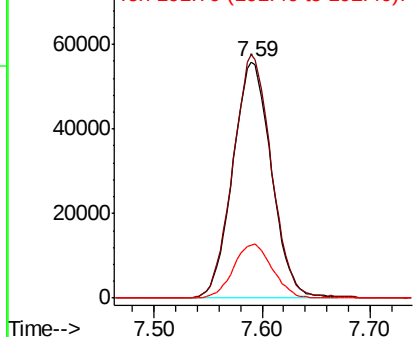


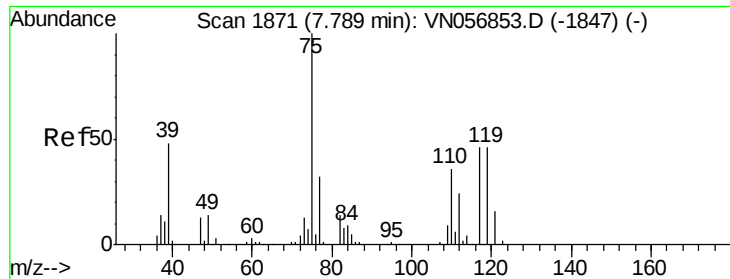
#35
 Dibromofluoromethane
 Concen: 47.883 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056861.D
 Acq: 22 Jul 2019 18:10

Tgt Ion:113 Resp: 138921
 Ion Ratio Lower Upper
 113 100
 111 102.8 81.9 122.9
 192 23.0 18.5 27.7



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

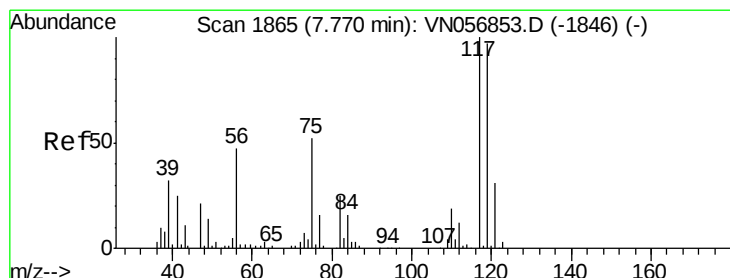
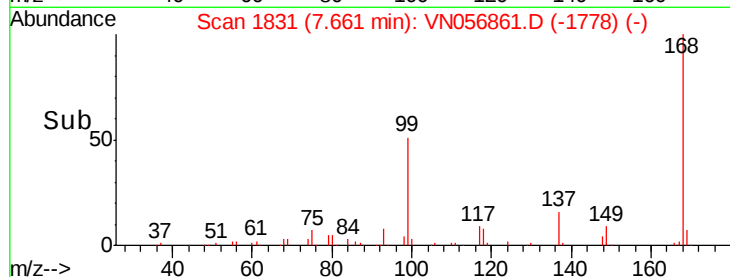
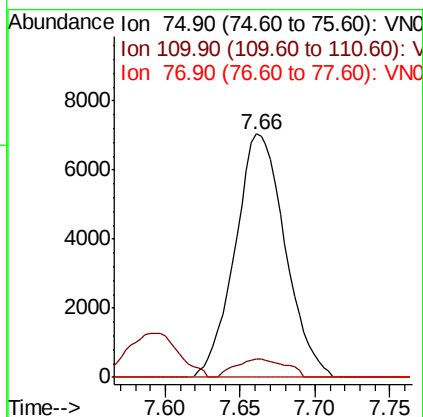
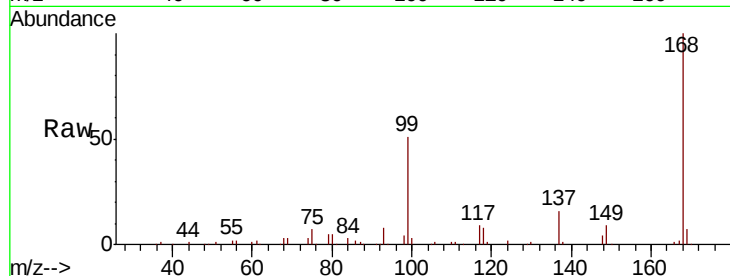




#36
 1,1-Dichloropropene
 Concen: 3.885 ug/l
 RT: 7.66 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN056861.D
 Acq: 22 Jul 2019 18:10

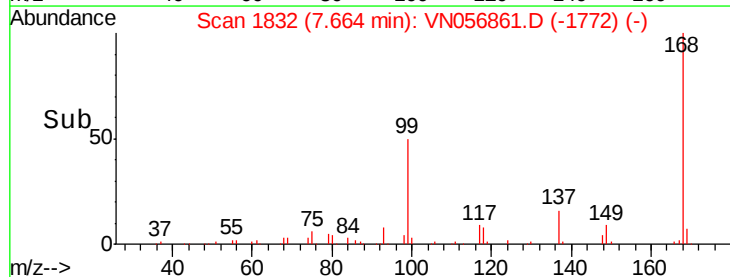
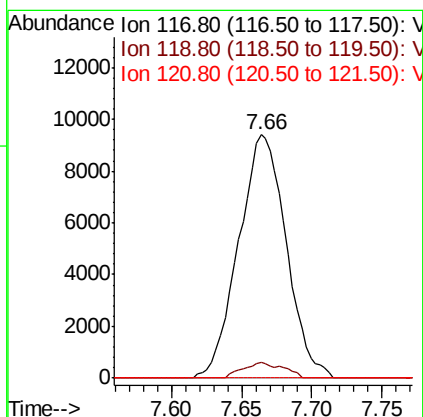
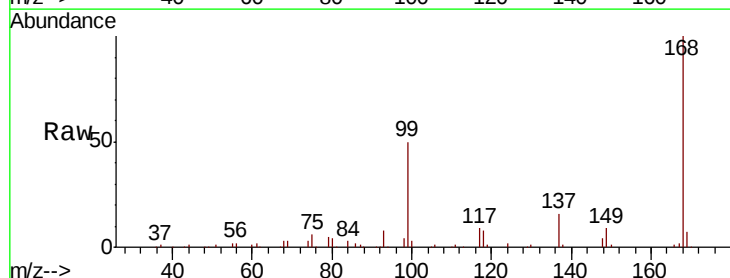
Instrument :
 MSVOA_N
 ClientSampleId :
 PB121556ZHE#01

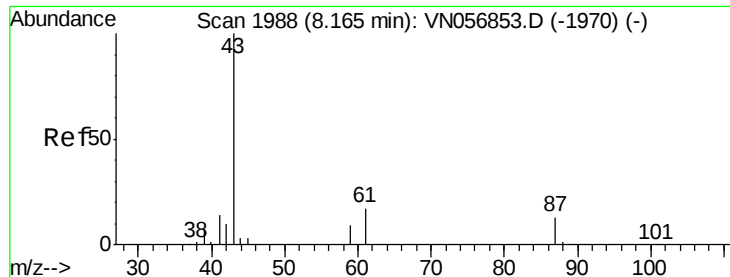
Tot Ion	75	Resp	16398
Ion Ratio	100	Lower	Upper
75	100		
110	7.5	17.9	53.7#
77	0.0	25.0	37.6#



#38
 Carbon Tetrachloride
 Concen: 5.517 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN056861.D
 Acq: 22 Jul 2019 18:10

Tgt Ion	117	Resp	22169
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	6.5	77.2	115.8#
121	0.0	24.5	36.7#





#43

Isopropyl Acetate

Concen: 3.095 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN056861.D

Acq: 22 Jul 2019 18:10

Instrument :

MSVOA_N

ClientSampleId :

PB121556ZHE#01

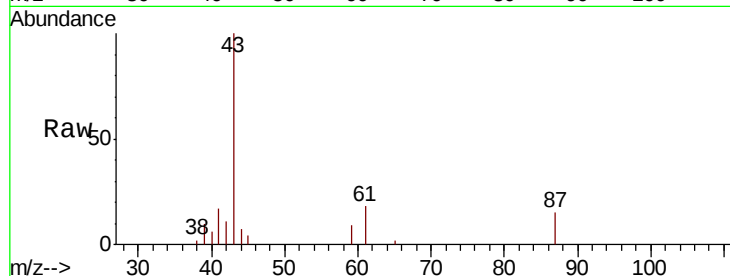
Tot Ion: 43 Resp: 18111

Ion Ratio Lower Upper

43 100

61 17.7 17.8 26.6#

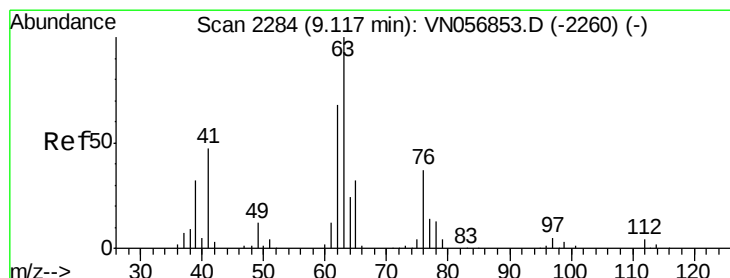
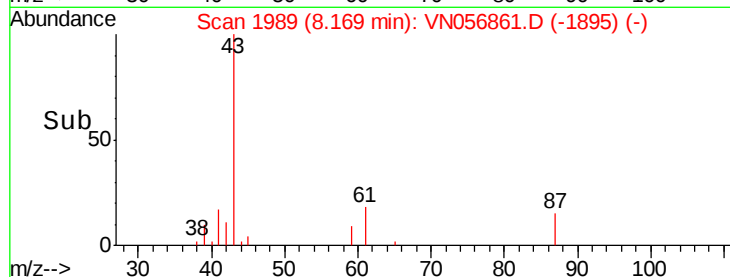
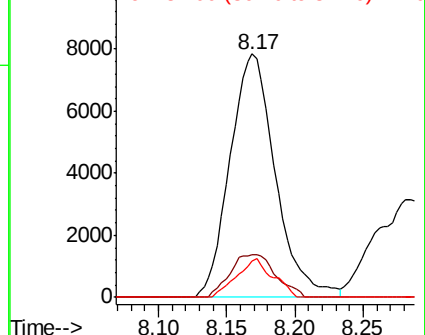
87 12.5 11.0 16.4



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



#45

1,2-Dichloropropane

Concen: 0.425 ug/l

RT: 9.27 min Scan# 2331

Delta R.T. 0.15 min

Lab File: VN056861.D

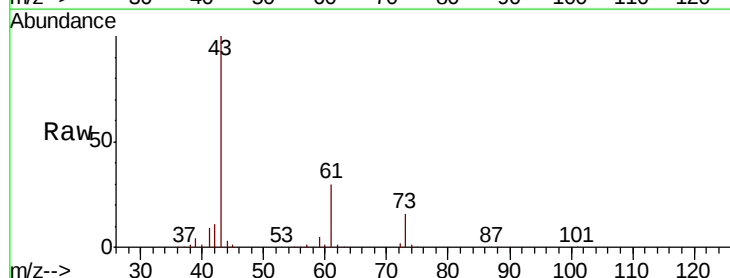
Acq: 22 Jul 2019 18:10

Tgt Ion: 63 Resp: 1501

Ion Ratio Lower Upper

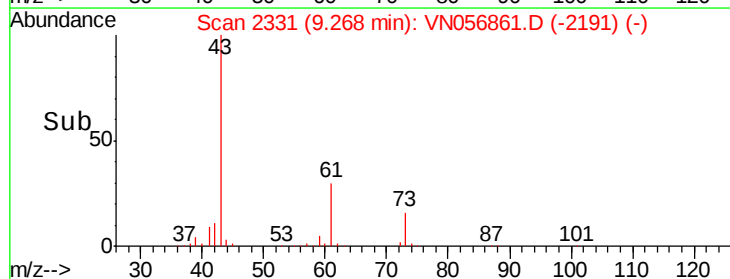
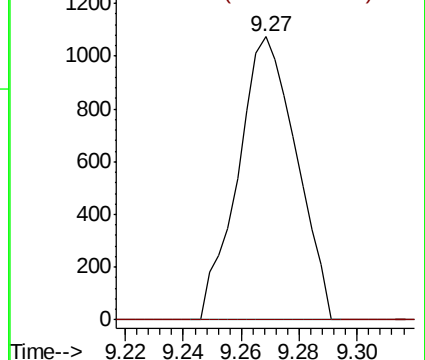
63 100

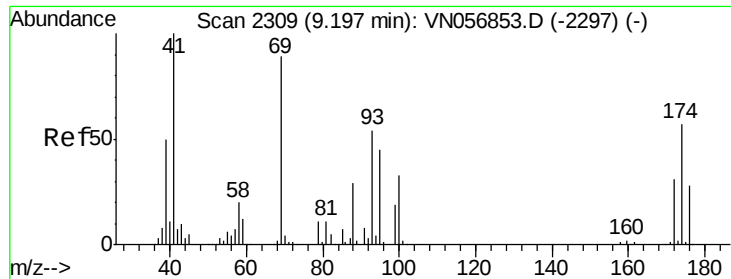
65 0.0 25.4 38.0#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

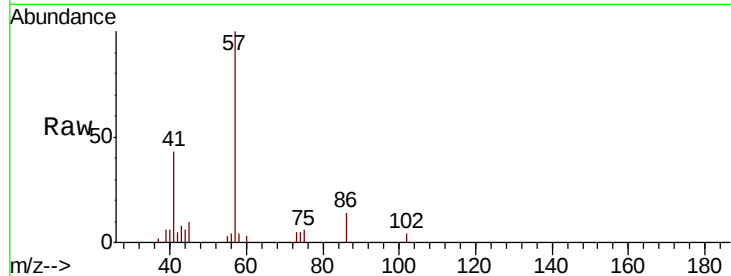




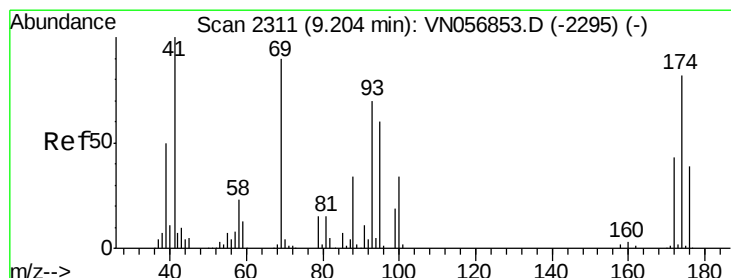
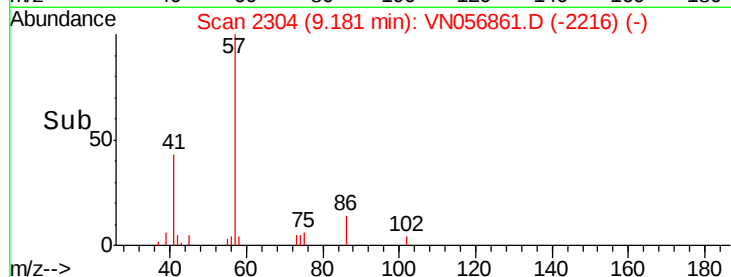
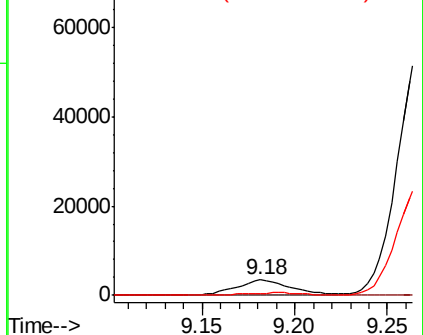
#48
Methvl methacrylate
Concen: 2.410 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN056861.D
Acq: 22 Jul 2019 18:10

Instrument :
MSVOA_N
ClientSampleId :
PB121556ZHE#01

Tot Ion: 41 Resp: 7056
Ion Ratio Lower Upper
41 100
69 0.0 71.1 106.7#
39 0.0 40.6 60.8#

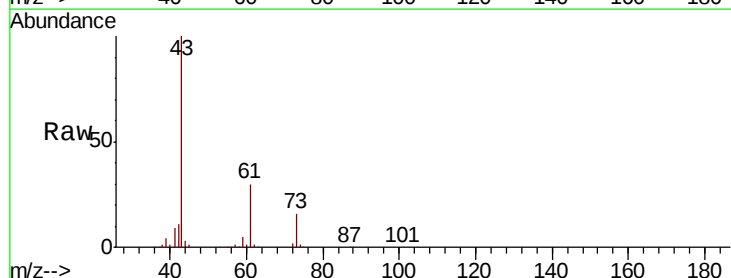


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO

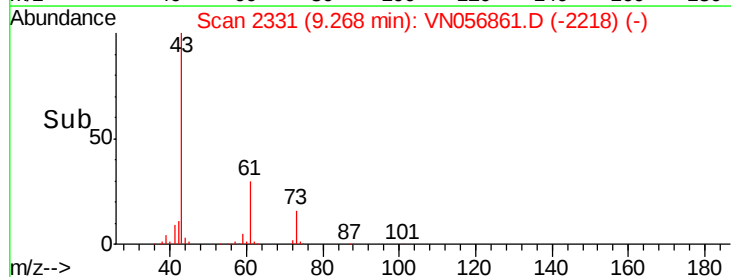
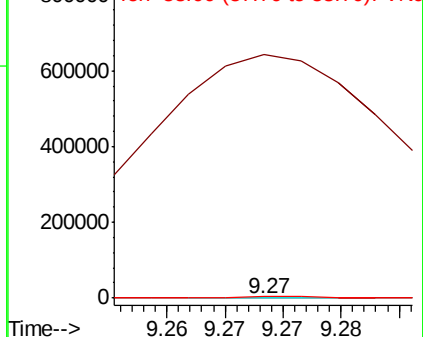


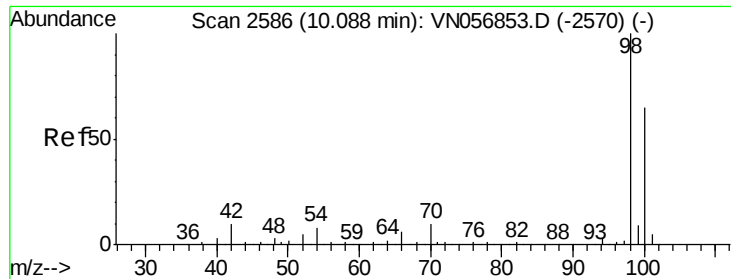
#49
1,4-Dioxane
Concen: 0.522 ug/l
RT: 9.27 min Scan# 2331
Delta R.T. 0.06 min
Lab File: VN056861.D
Acq: 22 Jul 2019 18:10

Tgt Ion: 88 Resp: 30
Ion Ratio Lower Upper
88 100
43 3935496.7 21.4 32.2#
58 18483.3 55.7 83.5#



Abundance Ion 88.00 (87.70 to 88.70): VNO
Ion 43.00 (42.70 to 43.70): VNO
Ion 58.00 (57.70 to 58.70): VNO





#50

Toluene-d8

Concen: 53.350 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN056861.D

Acq: 22 Jul 2019 18:10

Instrument :

MSVOA_N

ClientSampleId :

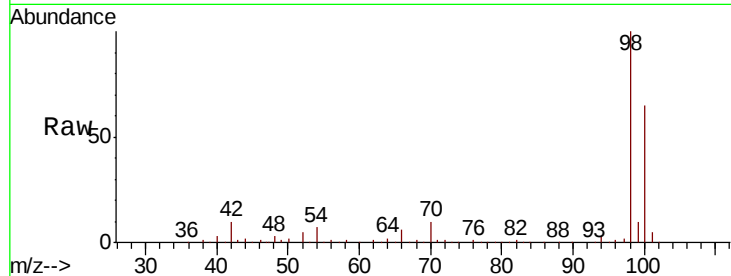
PB121556ZHE#01

Tot Ion: 98 Resp: 592156

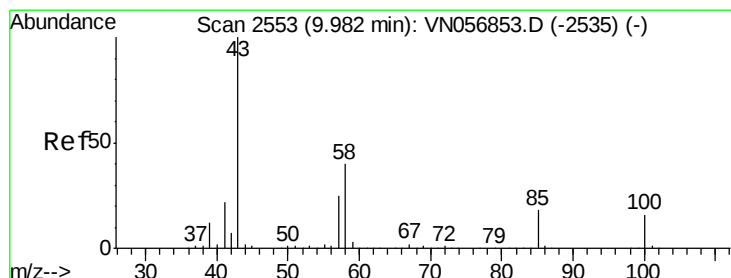
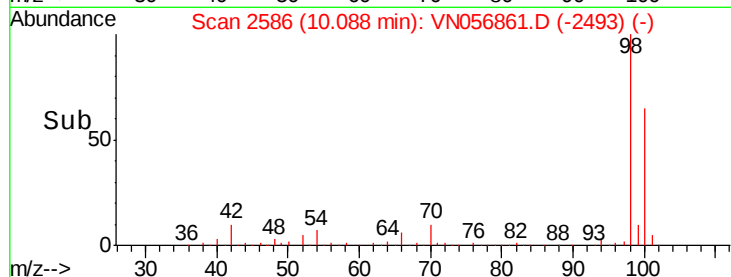
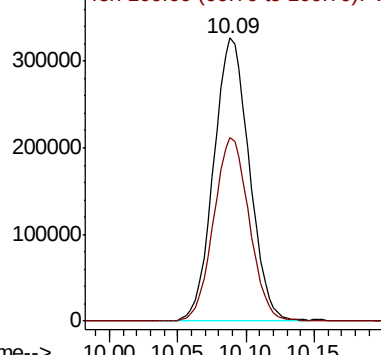
Ion Ratio Lower Upper

98 100

100 65.0 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VN056861.D (-2493) (-)



#51

4-Methyl-2-Pentanone

Concen: 1.107 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056861.D

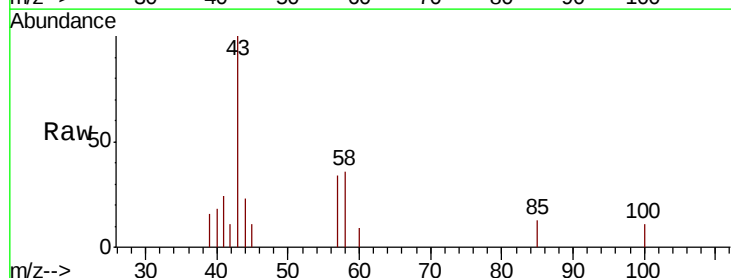
Acq: 22 Jul 2019 18:10

Tgt Ion: 43 Resp: 3864

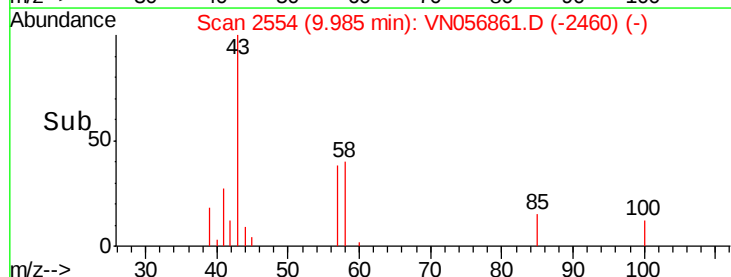
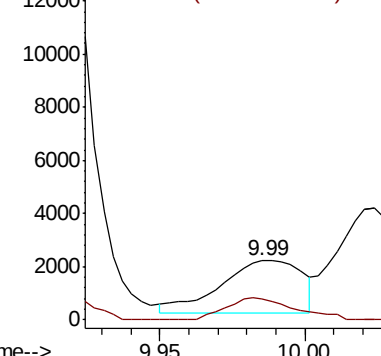
Ion Ratio Lower Upper

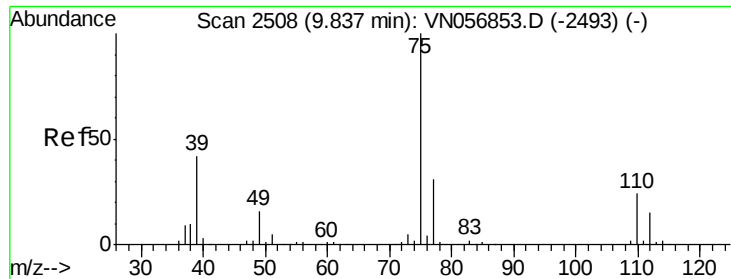
43 100

58 35.2 32.4 48.6



Abundance Ion 43.00 (42.70 to 43.70): VN056861.D (-2460) (-)





#54

cis-1,3-Dichloropropene

Concen: 9.794 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.07 min

Lab File: VN056861.D

Acq: 22 Jul 2019 18:10

Instrument :

MSVOA_N

ClientSampleId :

PB121556ZHE#01

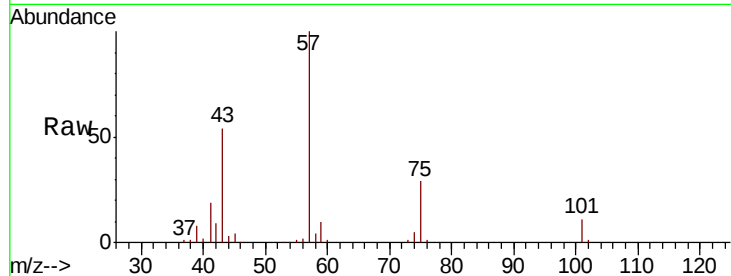
Tot Ion: 75 Resp: 48589

Ion Ratio Lower Upper

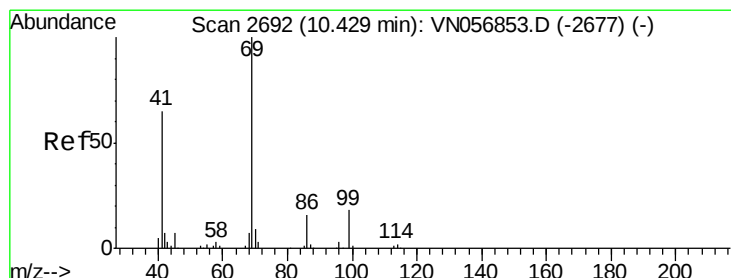
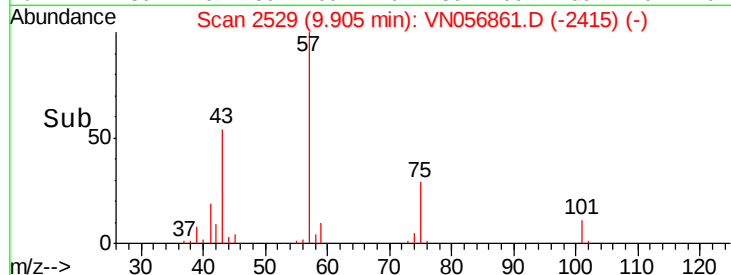
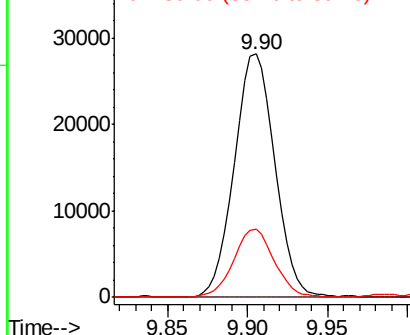
75 100

77 0.0 25.1 37.7#

39 27.9 33.4 50.2#



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 76.90 (76.60 to 77.60): VNO
Ion 39.00 (38.70 to 39.70): VNO



#56

Ethyl methacrylate

Concen: 0.218 ug/l

RT: 10.54 min Scan# 2728

Delta R.T. 0.12 min

Lab File: VN056861.D

Acq: 22 Jul 2019 18:10

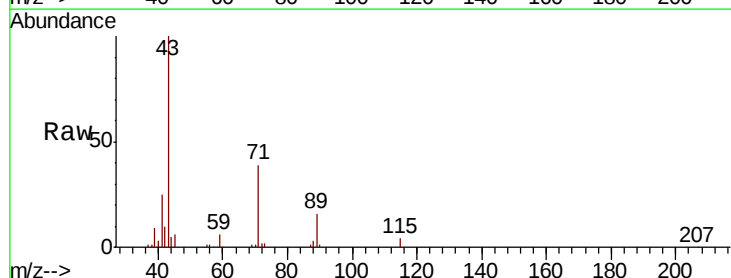
Tgt Ion: 69 Resp: 947

Ion Ratio Lower Upper

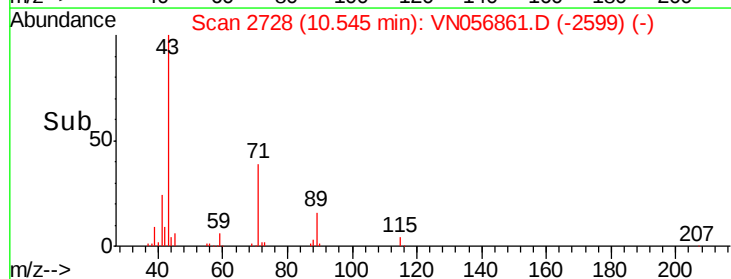
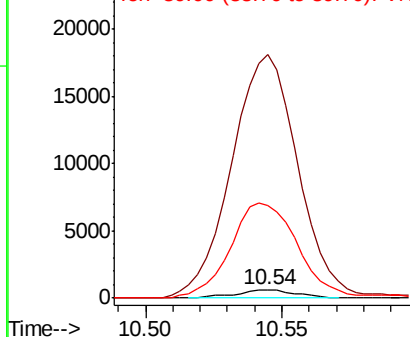
69 100

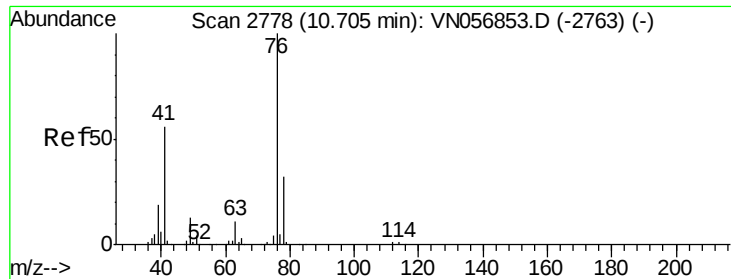
41 3237.2 51.0 76.6#

39 1278.8 24.5 36.7#



Abundance Ion 69.00 (68.70 to 69.70): VNO
Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 1.911 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.06 min

Lab File: VN056861.D

Acq: 22 Jul 2019 18:10

Instrument :

MSVOA_N

ClientSampleId :

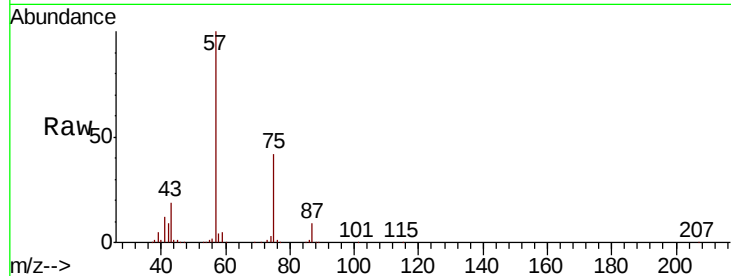
PB121556ZHE#01

Tot Ion: 76 Resp: 9905

Ion Ratio Lower Upper

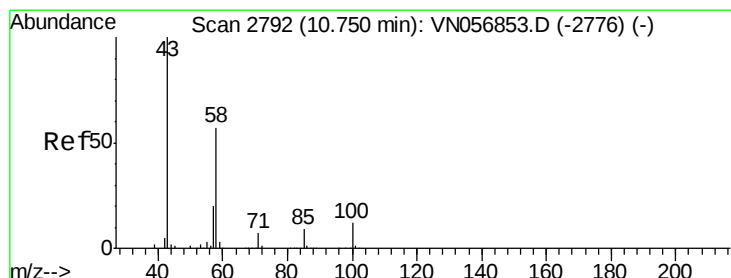
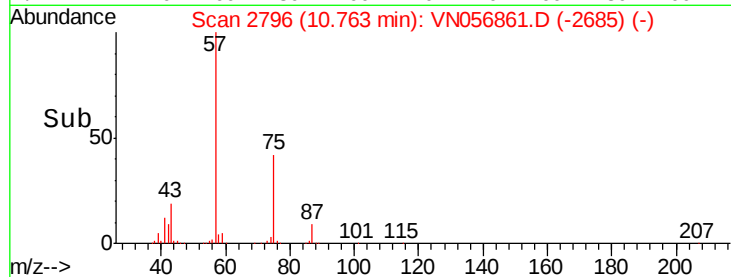
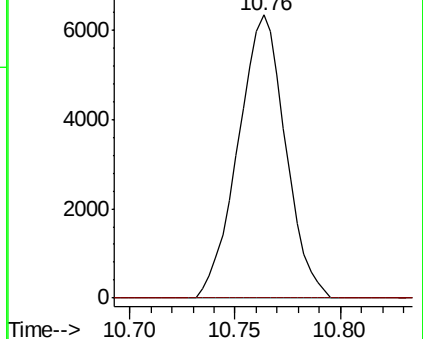
76 100

78 0.0 25.8 38.6#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#59

2-Hexanone

Concen: 54.827 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.01 min

Lab File: VN056861.D

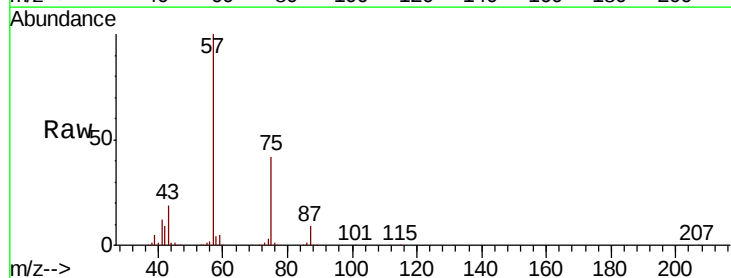
Acq: 22 Jul 2019 18:10

Tgt Ion: 43 Resp: 132436

Ion Ratio Lower Upper

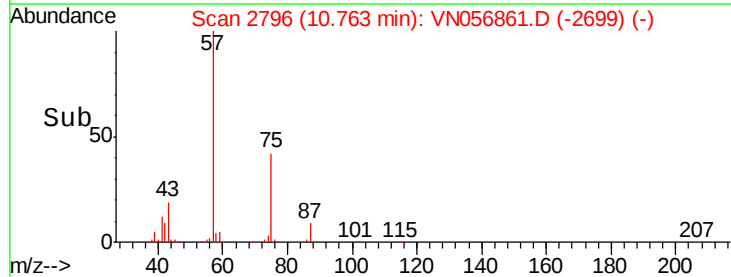
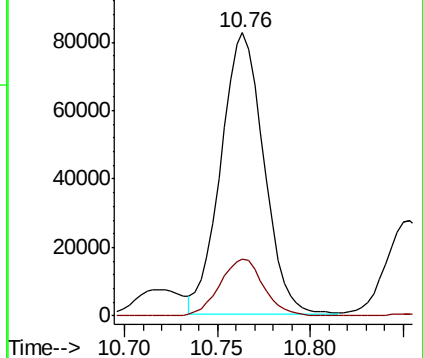
43 100

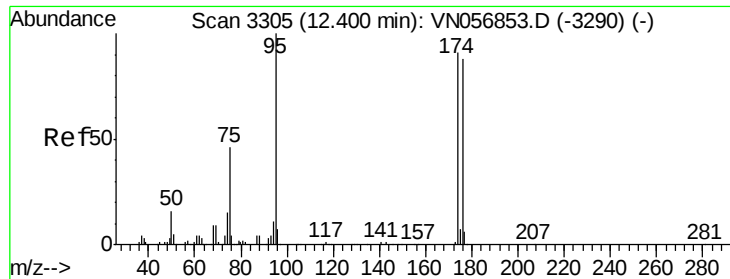
58 20.7 28.3 85.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 58.251 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056861.D

Acq: 22 Jul 2019 18:10

Instrument :

MSVOA_N

ClientSampleId :

PB121556ZHE#01

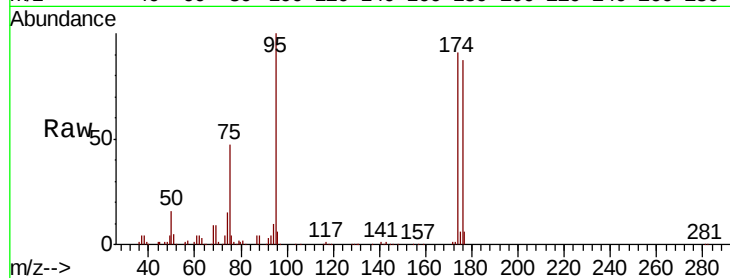
Tot Ion: 95 Resp: 211589

Ion Ratio Lower Upper

95 100

174 92.1 0.0 183.4

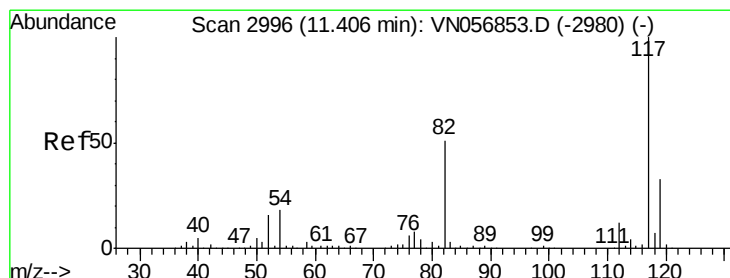
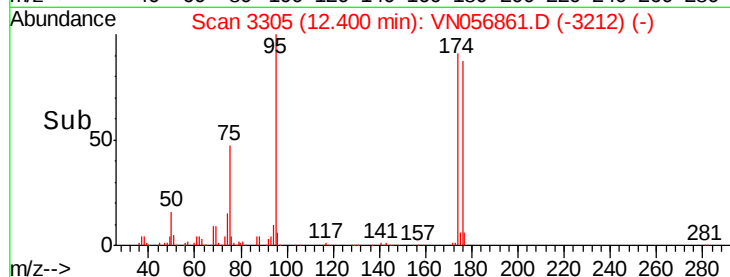
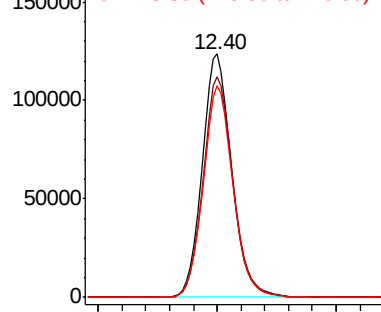
176 87.7 0.0 175.8



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN056861.D

Acq: 22 Jul 2019 18:10

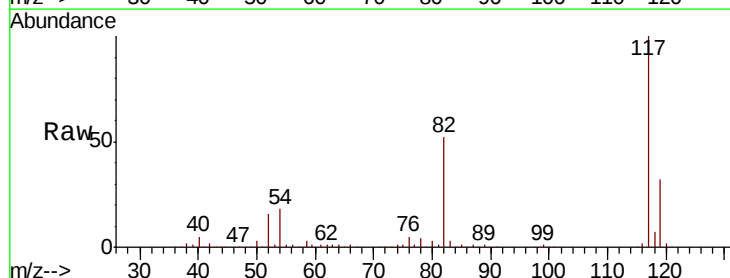
Tgt Ion: 117 Resp: 514639

Ion Ratio Lower Upper

117 100

82 52.4 41.2 61.8

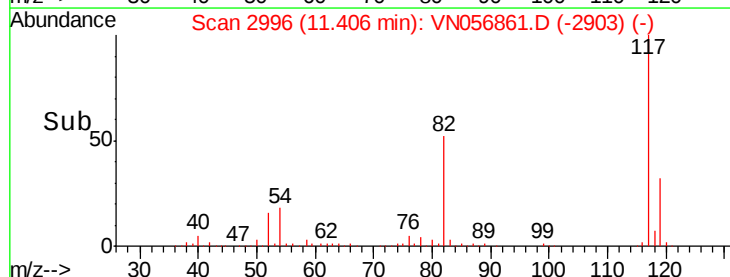
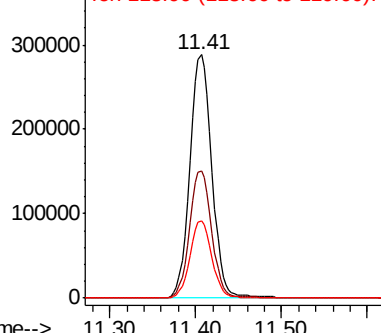
119 31.8 26.4 39.6

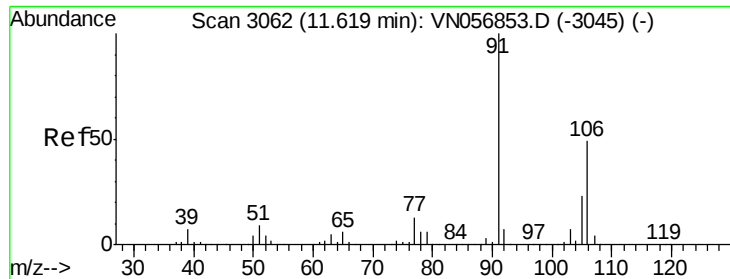


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0

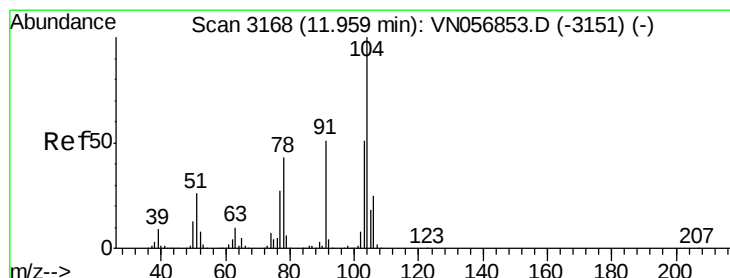
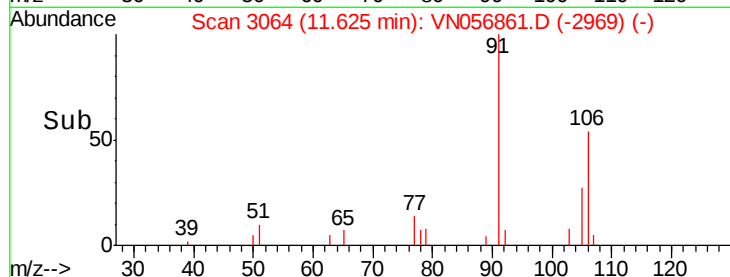
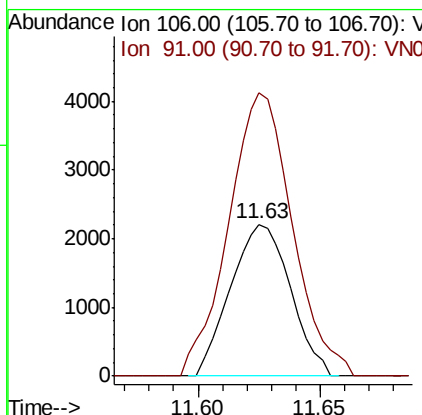
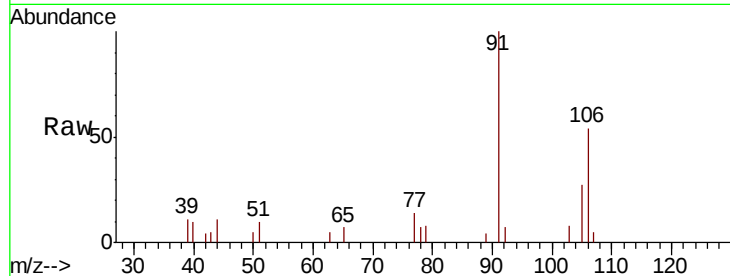




#68
m/p-Xvlenes
Concen: 0.544 ug/l
RT: 11.63 min Scan# 3064
Delta R.T. 0.01 min
Lab File: VN056861.D
Acq: 22 Jul 2019 18:10

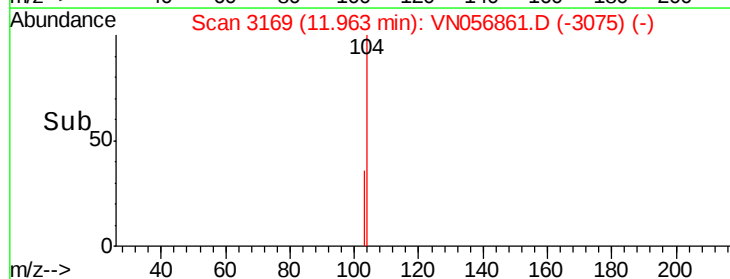
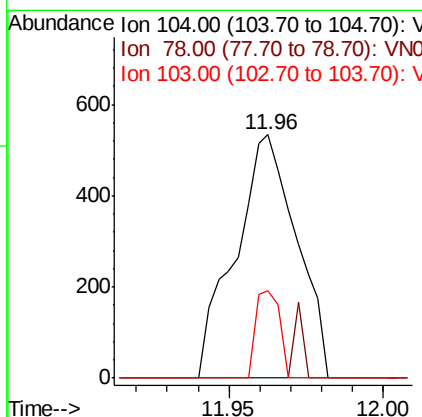
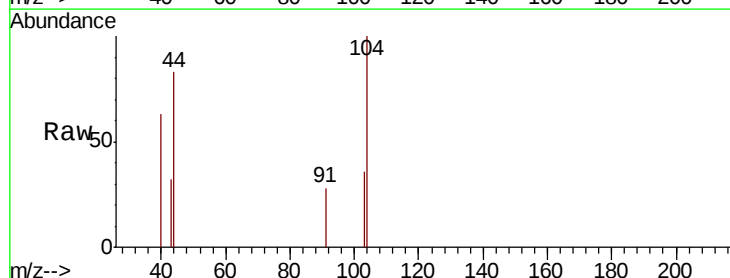
Instrument :
MSVOA_N
ClientSampleId :
PB121556ZHE#01

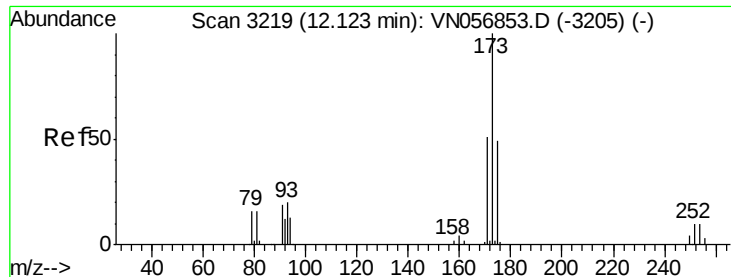
Tot Ion:106 Resp: 3760
Ion Ratio Lower Upper
106 100
91 198.8 160.5 240.7



#70
Styrene
Concen: 0.581 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056861.D
Acq: 22 Jul 2019 18:10

Tgt Ion:104 Resp: 738
Ion Ratio Lower Upper
104 100
78 4.3 38.1 57.1#
103 14.0 44.2 66.4#





#71

Bromoform

Concen: 0.635 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.27 min

Lab File: VN056861.D

Acq: 22 Jul 2019 18:10

Instrument :

MSVOA_N

ClientSampleId :

PB121556ZHE#01

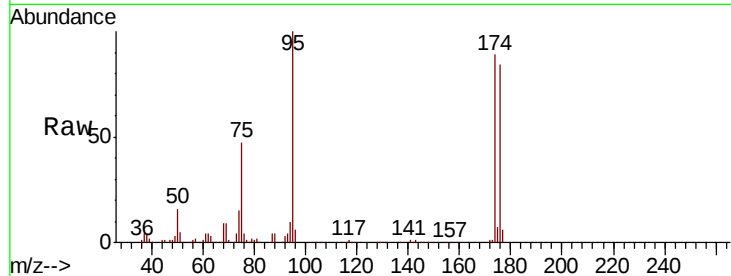
Tot Ion:173 Resp: 1773

Ion Ratio Lower Upper

173 100

175 640.9 24.1 72.3#

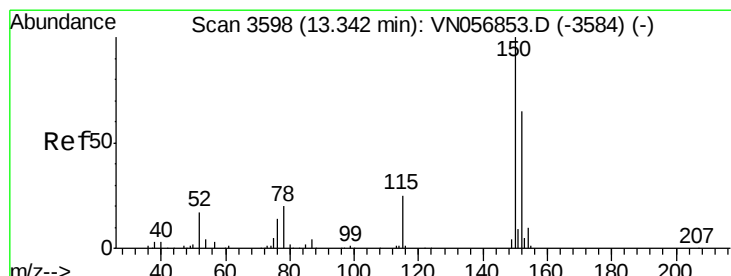
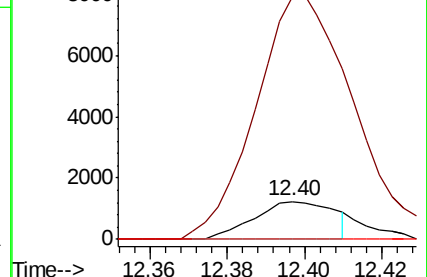
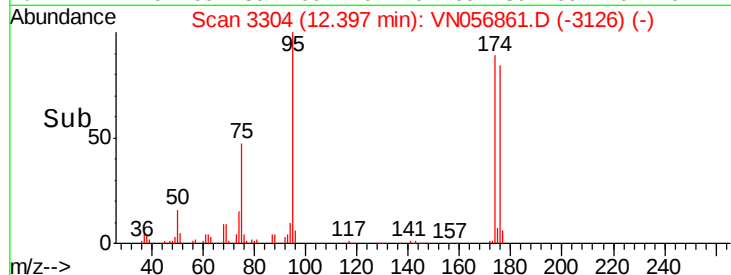
254 0.0 0.0 0.0



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: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN056861.D

Acq: 22 Jul 2019 18:10

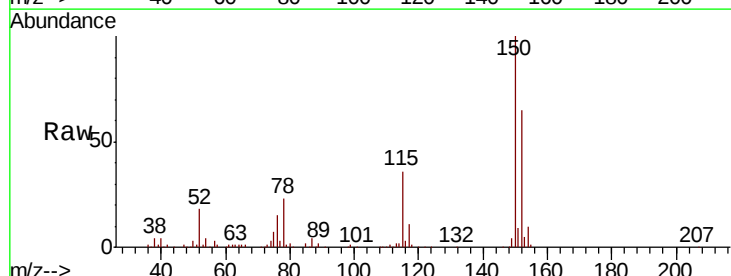
Tgt Ion:152 Resp: 166122

Ion Ratio Lower Upper

152 100

115 55.9 27.6 82.7

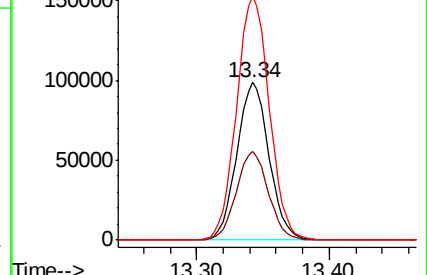
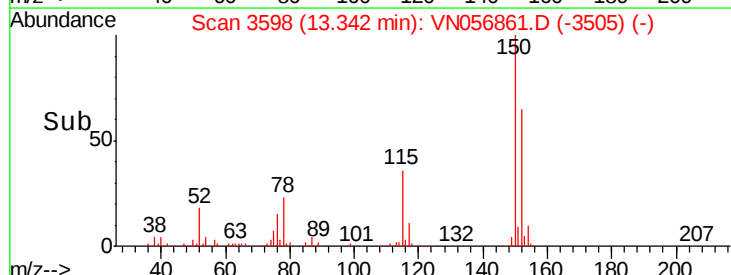
150 157.2 0.0 343.0

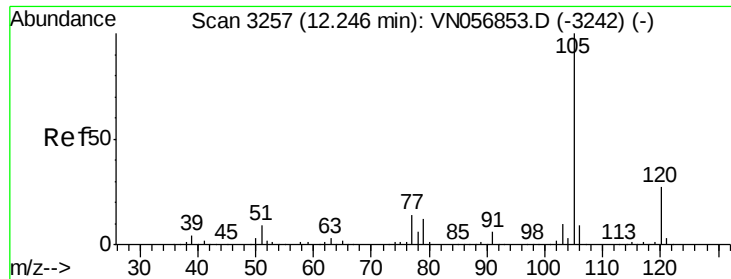


Abundance Ion 151.90 (151.60 to 152.60): V

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. 0.01 min

Lab File: VN056861.D

Acq: 22 Jul 2019 18:10

Instrument :

MSVOA_N

ClientSampleId :

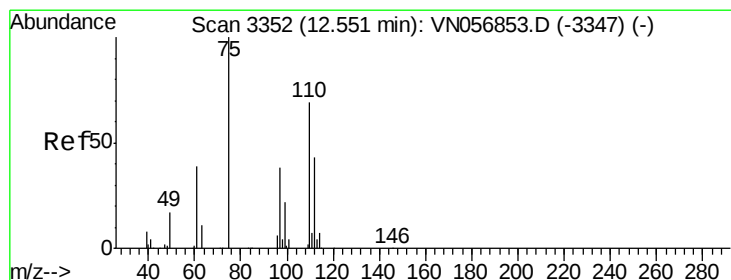
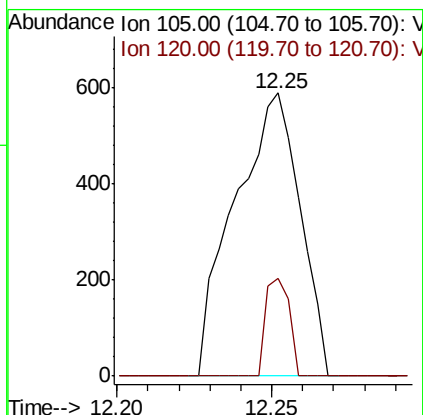
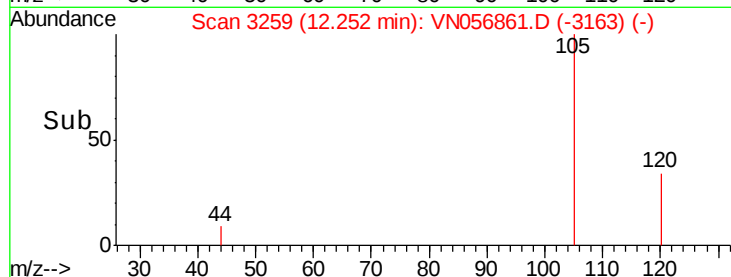
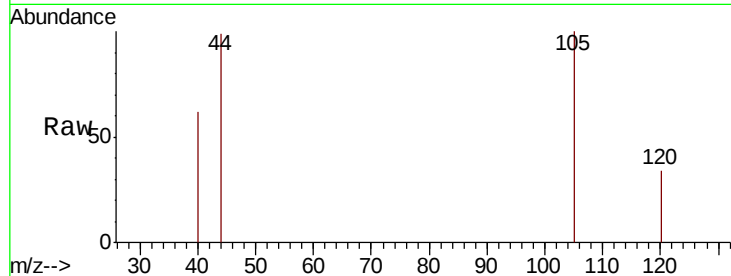
PB121556ZHE#01

Tot Ion:105 Resp: 866

Ion Ratio Lower Upper

105 100

120 12.2 13.4 40.2#



#76

1,2,3-Trichloropropane

Concen: 28.877 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056861.D

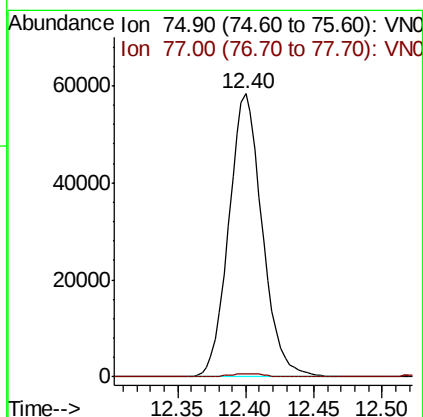
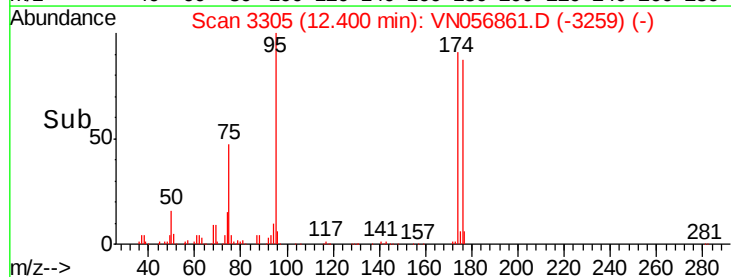
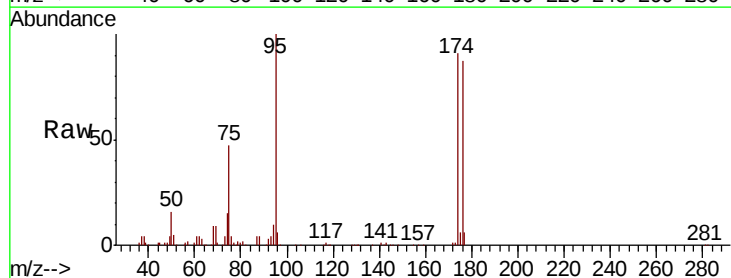
Acq: 22 Jul 2019 18:10

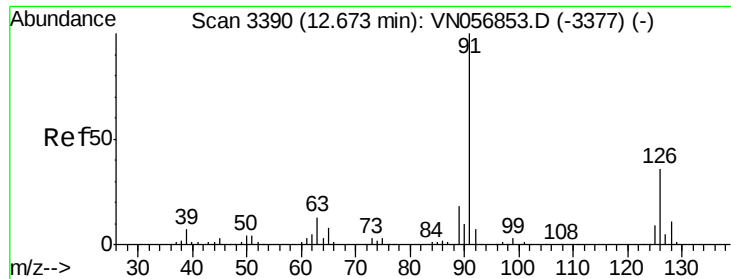
Tgt Ion: 75 Resp: 99418

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.78 min Scan# 3422

Delta R.T. 0.10 min

Lab File: VN056861.D

Acq: 22 Jul 2019 18:10

Instrument :

MSVOA_N

ClientSampleId :

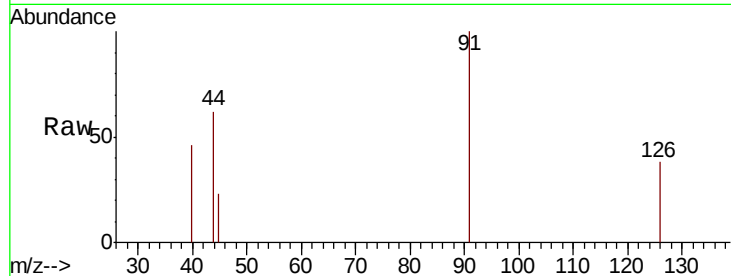
PB121556ZHE#01

Tot Ion: 91 Resp: 1247

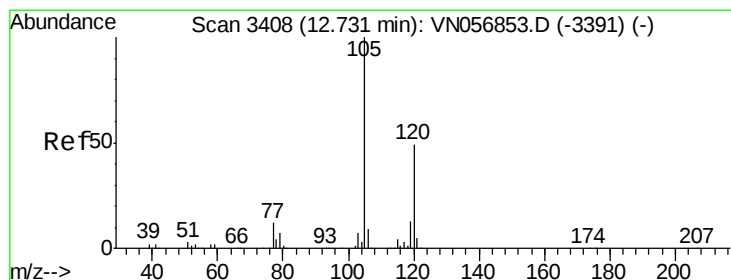
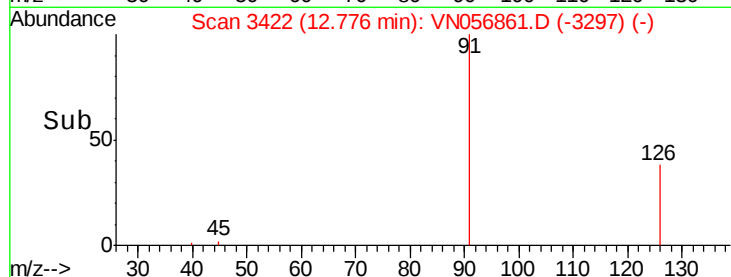
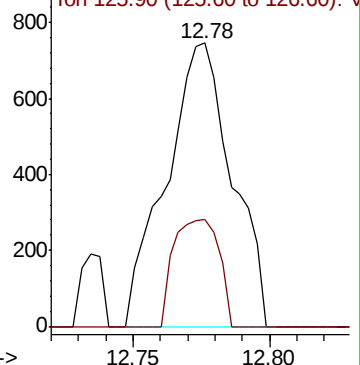
Ion Ratio Lower Upper

91 100

126 26.1 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): VN056853.D (-3377) (-)



#80

1,3,5-Trimethylbenzene

Concen: Below Cal

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN056861.D

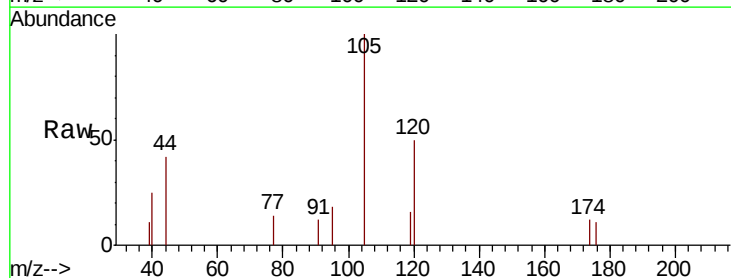
Acq: 22 Jul 2019 18:10

Tgt Ion: 105 Resp: 2466

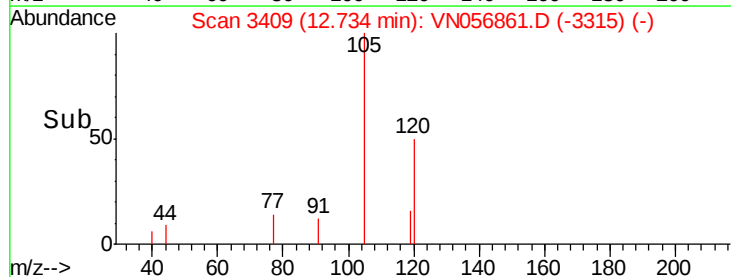
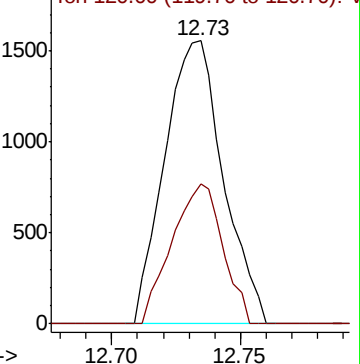
Ion Ratio Lower Upper

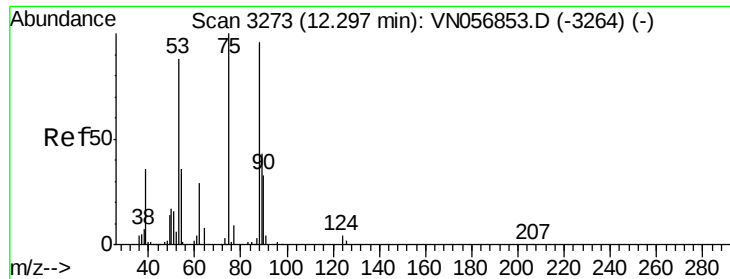
105 100

120 43.0 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN056853.D (-3391) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 92.489 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056861.D

Acq: 22 Jul 2019 18:10

Instrument :

MSVOA_N

ClientSampleId :

PB121556ZHE#01

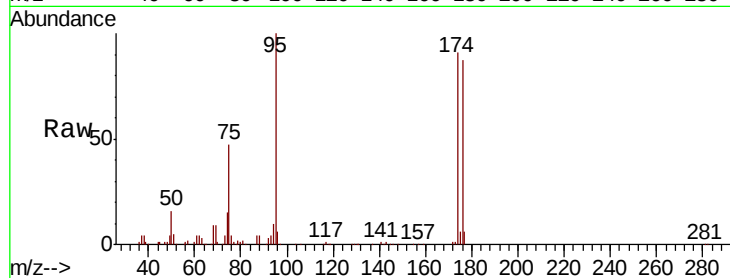
Tot Ion: 75 Resp: 99418

Ion Ratio Lower Upper

75 100

53 0.0 72.3 108.5#

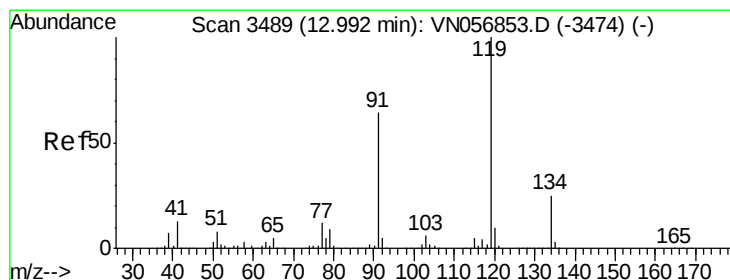
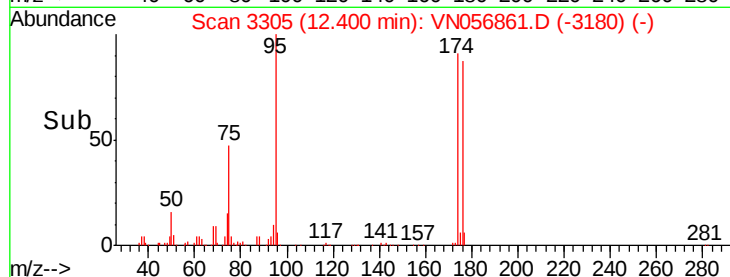
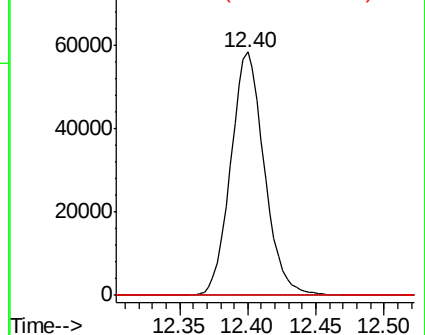
89 0.0 36.2 54.4#



Abundance Ion 74.90 (74.60 to 75.60): VN056861.D (-3180) (-)

Ion 53.00 (52.70 to 53.70): VN056861.D (-3180) (-)

Ion 88.90 (88.60 to 89.60): VN056861.D (-3180) (-)



#83

tert-Butylbenzene

Concen: Below Cal

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN056861.D

Acq: 22 Jul 2019 18:10

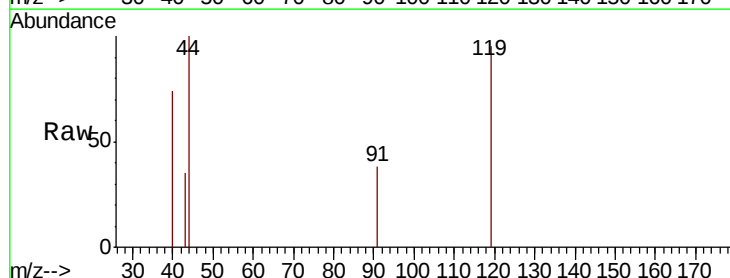
Tgt Ion: 119 Resp: 741

Ion Ratio Lower Upper

119 100

91 39.4 31.5 94.5

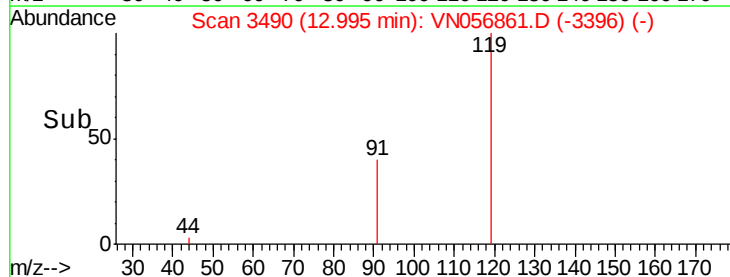
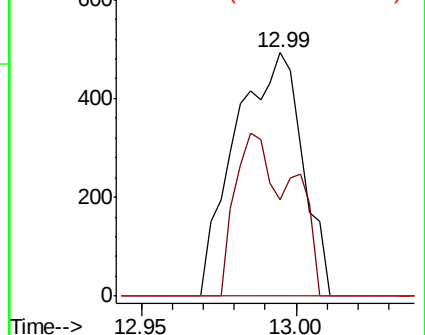
134 0.0 12.2 36.6#

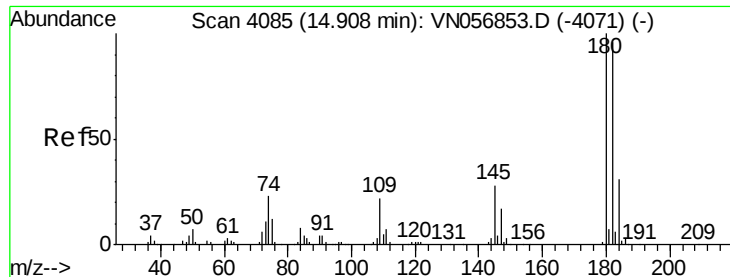


Abundance Ion 119.00 (118.70 to 119.70): VN056861.D (-3396) (-)

Ion 91.00 (90.70 to 91.70): VN056861.D (-3396) (-)

Ion 134.00 (133.70 to 134.70): VN056861.D (-3396) (-)

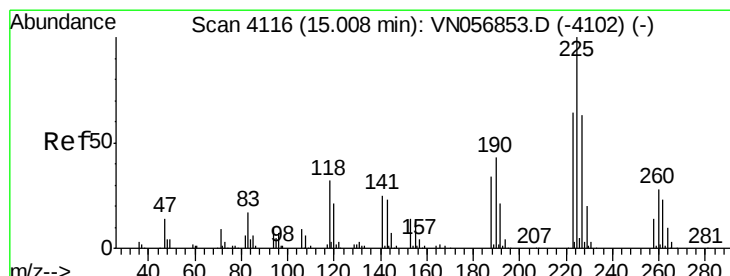
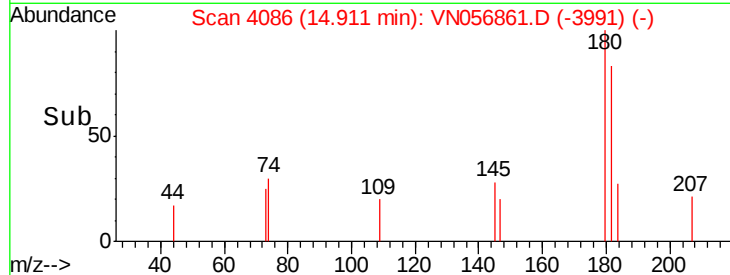
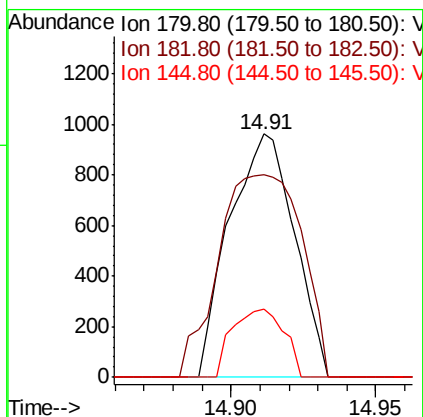
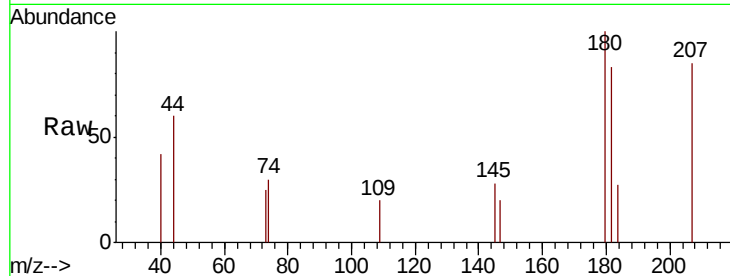




#93
 1,2,4-Trichlorobenzene
 Concen: 4.568 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN056861.D
 Acq: 22 Jul 2019 18:10

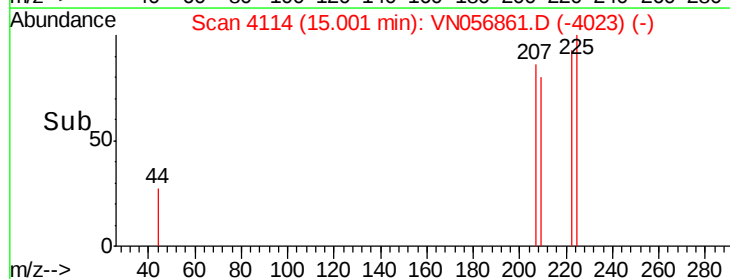
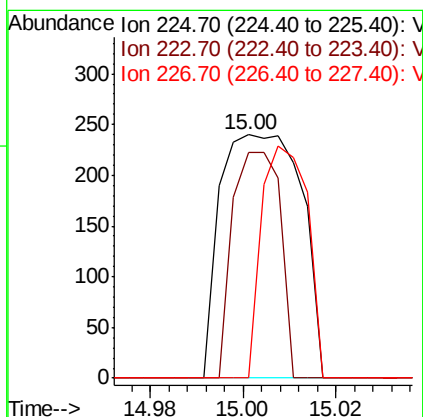
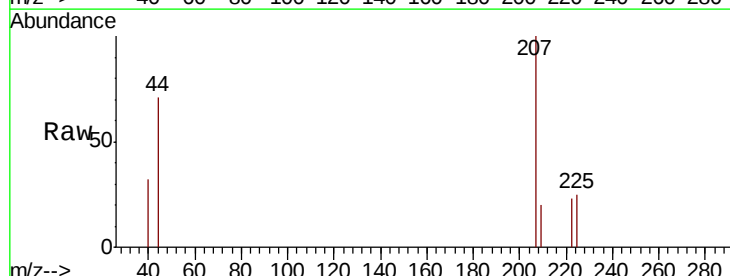
Instrument :
 MSVOA_N
 ClientSampleId :
 PB121556ZHE#01

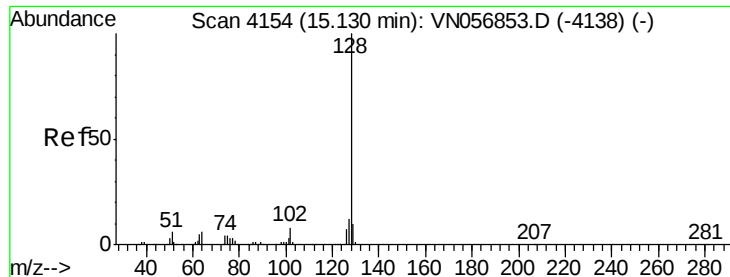
Tot Ion:180 Resp: 1498
 Ion Ratio Lower Upper
 180 100
 182 106.9 47.9 143.7
 145 22.2 14.1 42.3



#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.00 min Scan# 4114
 Delta R.T. -0.01 min
 Lab File: VN056861.D
 Acq: 22 Jul 2019 18:10

Tgt Ion:225 Resp: 293
 Ion Ratio Lower Upper
 225 100
 223 53.9 31.9 95.5
 227 54.3 31.7 95.1





#95

Naphthalene

Concen: 4.137 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.01 min

Lab File: VN056861.D

Acq: 22 Jul 2019 18:10

Instrument :

MSVOA_N

ClientSampleId :

PB121556ZHE#01

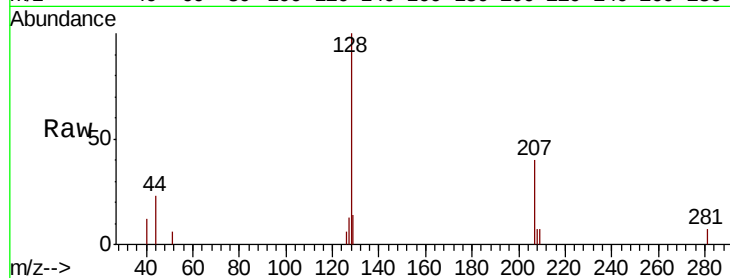
Tot Ion:128 Resp: 4452

Ion Ratio Lower Upper

128 100

127 12.3 10.2 15.2

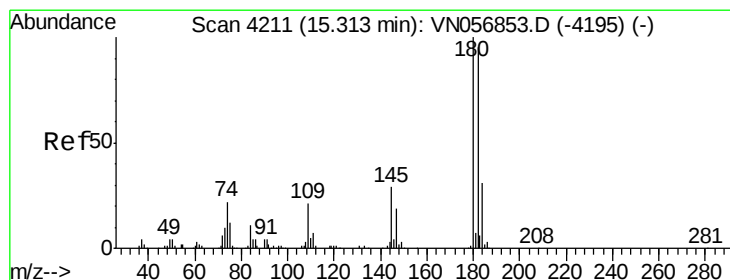
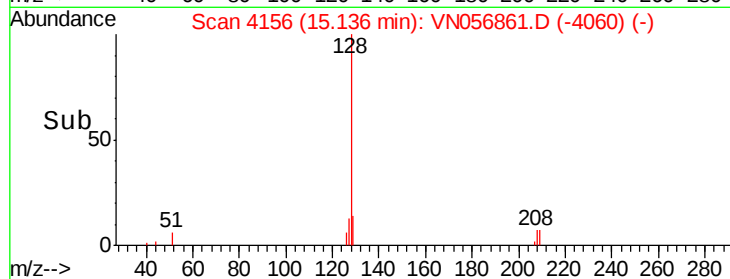
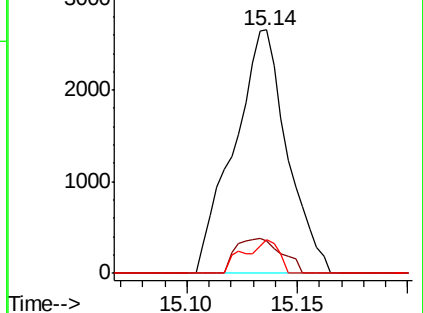
129 9.1 8.5 12.7



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: 3.019 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056861.D

Acq: 22 Jul 2019 18:10

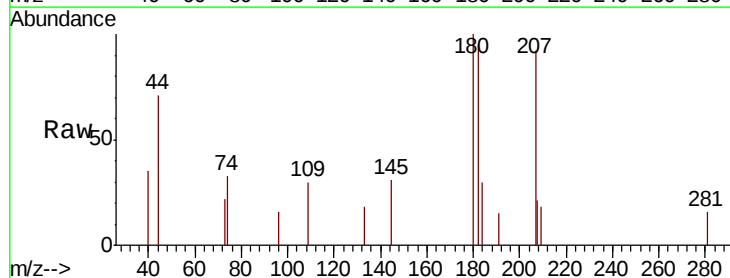
Tgt Ion:180 Resp: 1851

Ion Ratio Lower Upper

180 100

182 91.6 48.1 144.3

145 30.1 14.7 44.1



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

